MP3 Audio CD Recorder
& Data CD Duplicator

terapin

Product Manual
MCR-TX3300

Before operating, please read all the instructions thoroughly.

Version 1.12

150 songs in just one cd...

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Note:
This product is designed to help you record and reproduce audio tracks to which you own the copyright, or where you have obtained permission from the copyright holder or the rightful licensor. Unless you own the copyright, or have obtained the appropriate permission from the copyright holder or the rightful licensor, your authorized recording, reproduction or distribution thereof may result in severe criminal penalties under copyright laws and international copyright treaties. If you are uncertain about your rights, contact your legal advisor. Under no circumstances will Terapin Technology be responsible for the consequences of any illegal copying performed using the TX3300.

Safety Information

1) To reduce the risk of fire or electric shock, do not expose the TX3300 to rain or moisture.

2) To avoid electric shock, do not open up the TX3300. Servicing is to be done by qualified personnel only.

3) Read all of the instructions in this product manual, observe warnings and retain this manual for future reference.

4) Follow all warnings and instructions marked on the TX3300.

5) **Cleaning** - Unplug the TX3300 from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth.

6) **Attachments** - Do not use attachments that are not recommended by Terapin as they may cause hazards.

7) **Water and Moisture** - Do not use the TX3300 near water, for example, near a kitchen sink, laundry tub or near a swimming pool.

8) **Accessories** - Do not place the TX3300 on an unstable stand, tripod, bracket or any support. This may cause the TX3300 to fall, causing serious injury to a child or adult and serious damage to the unit.

9) **Ventilation** - Slots and openings in the TX3300 are provided for ventilation and to ensure reliable operation of the TX3300 and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the TX3300 on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been followed.

10) **Power Source** - The TX3300 should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your local dealer or local power company.

11) **Power-Cord Protection** - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the TX3300.

12) **Heat** - The TX3300 should be situated away from heat sources such as radiators, heat registers, stoves or other products (including amplifiers) that produce heat.

13) **Installation Location** - It is recommended that the TX3300 is not placed in a location that is subject to direct sunlight or extreme heat or cold, as these conditions may damage the unit and/or the discs. Because audio amplifiers and high-power receivers generate significant heat, do not place the unit directly on top of an amplifier or other heat source. Always allow at least one inch of free space on all sides of the unit as well as other electronic products to allow for proper ventilation.

The lightning flash with arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation mark within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in this product manual.

About CD Recording

The TX3300 plays all standard Audio CDs. For recording, the TX3300 requires special CDR/CDRW designed only for audio use. CDR/CDRWs designed for computer use will not record in Audio format in the TX3300.

For MP3 CDs, you will be able to use any kind of discs, including those designed for computer use.

The last step in making a CDR recording is the finalization process. Until this step is completed, the disc will not work in other players.

Once finalized, CDR discs will play in most CD players, but CDRW discs will only play in the TX3300 and certain other CDRW compatible players.

Check the specifications of your CD player if you have questions about compatibility with CDRW discs.

Do not move the TX3300 when there is a disc inside one of the decks. Never move the unit until discs have stopped playing or recording in both decks.

Different Types of Discs

1) Digital Audio discs

Known as Audio Discs, the TX3300 is able to play back any conventional CD that bears this logo.

2) Recordable Digital Audio and Consumer discs

Discs that bear these 2 logos may be recorded on once, and when they are finalized, they will play in the TX3300 or in any conventional CD player, including home, car and portable models.

Deck B may also be used to record on these discs, and it will play these discs even if they have not been finalized.

These discs are suitable for both Audio and MP3 formats.

3) Rewritable Digital Audio and Consumer discs

Discs that bear these 2 logos may be recorded on, and they may also be erased or reused. They may be recorded on or played in Deck B and in other CDRW recorders or CDRW compatible players. They will not play back in most current CD players unless the player is CDRW compatible.

Deck B will also play these discs even if they have not been finalized.

These discs are suitable for both Audio and MP3 formats. However, it cannot be used on the TX3300 for 1x recording in the Audio format.

4) Data discs

Discs that are designed for use in computer CDR and CDRW drives cannot be used for recording in Audio format in the TX3300. When blank discs of this type are inserted, a message ‘Professional Disc’ will appear on the Display Window. These discs, although cannot be used for recording Audio CDs, can be used to record MP3 CDs.

CDR Terminology

1) Finalize

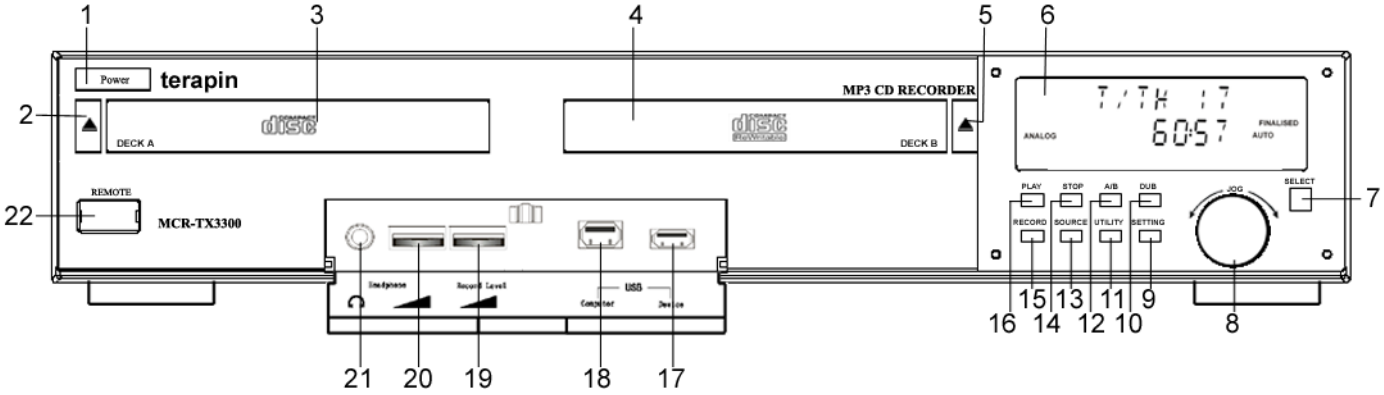
This term refers to the process that completes the recording of a disc by recording a final Table of Contents and preparing the disc so that it may be played back on other machines. A CDR or CDRW disc may not be played on other CD players until it is finalized. Once the finalization process is complete, a CDR disc cannot be recorded on again. Only CDRW discs can be unfinalized so that additional tracks may be recorded on the disc.

2) TOC

This term stands for Table of Contents and it refers to the data recorded on each CD that tells the player the total number of tracks, albums and time of each track.

Names & Functions

Front Panel



1 POWER Standby button
Press to switch the player on or to put it on standby.

2 Open/Close button for DECK A
Press to open and close the disc tray.

3 DECK A (Playback Deck)
This deck is for playback only. When loading a disc, make sure that the label side is facing up.

4 DECK B (Record/Playback Deck)
This deck is for playback, as well as for recording.

5 Open/Close button for DECK B
Press to open and close the disc tray.

6 Display Window
This window displays system information.

7 SELECT button
Press to confirm your selection.

8 Function JOG Dial
Turn this jog dial clockwise or anti-clockwise to toggle between different options.

9 SETTING button
Press to select either Audio CD or MP3 format, as well as to change the Dub Speed. Applicable only for blank CDs in Deck B.

10 DUB button
Press to duplicate individual tracks or the whole CD from Deck A to Deck B, or to convert from Audio CD tracks to MP3 tracks and vice versa. For Data CDs, the whole disc will be duplicated at 4x speed.

11 UTILITY button
Press to erase a recorded track or to finalize/ unfinalize a CD. This option is only applicable for CDRWs recorded using the TX3300.

12 A/B Switch button
Press to switch from Deck A to Deck B and vice versa.

13 SOURCE button
Press to select the recording source from Analog input, Optical input or Coaxial input. Applicable only for recording from an external source.

14 STOP button
Press to stop the current operation.

15 RECORD button
Press to start recording from external sources.

16 PLAY button
Press to play the Audio CD or MP3 CD in the active deck.

17 USB Master port
This port is for connection to supported USB devices such as MP3 players via a USB cable. *(Not supported yet)*

18 USB Slave port
This port is for connection to a PC or laptop to download MP3s to the TX3300 or to upgrade the TX3300 via a USB cable. Applicable only for PCs or laptops running Windows 98 SE, Windows 2000 or Windows ME.

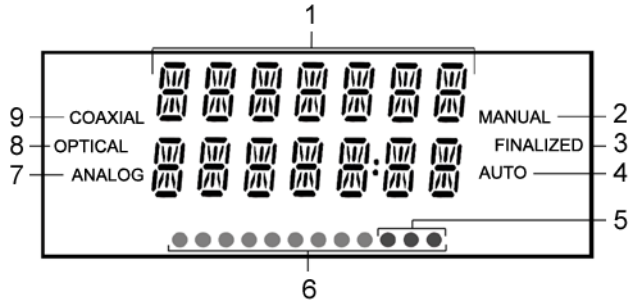
19 Recording Level control
This control is used to adjust the input level when making recordings from external sources.

20 Volume control
Turn this dial to increase or decrease the playback volume. Applicable only for connections via the headphone jack.

21 Headphone jack
This jack is for connections to earphones, headphones or speakers with a 3.5mm stereo plug. Output from rear connections will be muted.

22 Remote Control sensor
Point the remote control towards this sensor to operate the TX3300. Ensure that this sensor is not blocked by any objects.

Display Window



1. Message Display
This panel will display information about the current operation.

2 MANUAL Indicator
When the MANUAL indicator is on, this will indicate that during recording, increasing of tracks is done by the user. (Refer to Page 42 for more details)

3 FINALIZED Indicator
When the FINALIZED indicator is on, this will indicate that this is a finalized CD or a commercial pressed CD.

4 AUTO Indicator
When the AUTO indicator is on, this will indicate that during recording, there will be an increase in tracks whenever there are 3 seconds of silence.(Refer to Page 42 for more details)

5 High Audio Level Indicator
When the audio level is high, this indicator will come on. A high audio level may result in saturation and cause distortion.

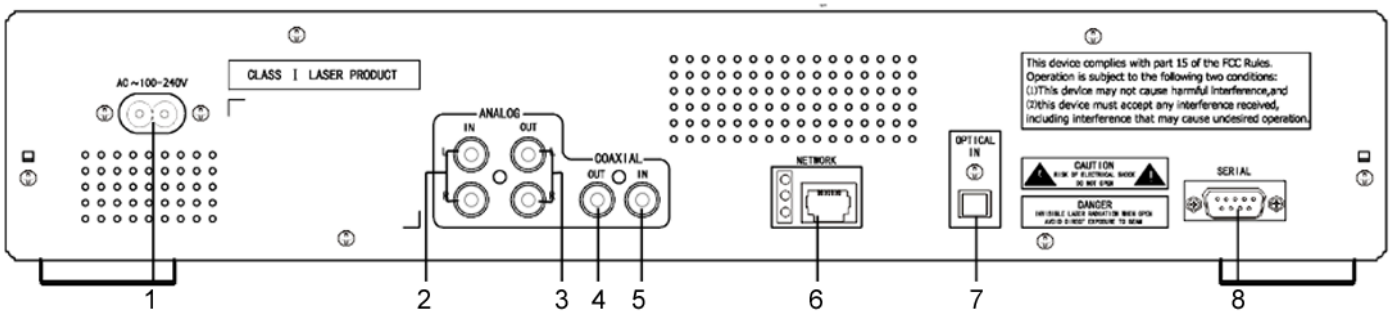
6 Audio Level Indicator
This indicates the volume of the current track. The higher the number of dots, the higher the volume.

7 ANALOG Indicator
This indicates that the source of the recording is from the Analog Audio In source. (Refer to Back Panel)

8 OPTICAL Indicator
This indicates that the source of the recording is from the Optical In source. (Refer to Back Panel)

9 COAXIAL Indicator
This indicates that the source of the recording is from the Digital Coaxial In source. (Refer to Back Panel)

Back Panel



1 AC Power In port
Connect the power cord from the wall outlet to this port.

2 Analog Audio In jack (Stereo)
This connection is for input from a two-channel analog audio source. E.g. TV, DVD players, VCD players, Stereo Hi-Fi systems and etc.

This connection is for recording from an external source.

3 Analog Audio Out jack (Stereo)
This connection is for a two-channel output to the stereo inputs on a TV or stereo amplifier.

4 Digital Coaxial In jack
This jack is for connecting a Coaxial input from digital audio players for high-fidelity digital audio recording.

This connection is for recording from an external source.

5 Digital Coaxial Out jack
This jack is for connecting to a stereo Hi-Fi system or amplifier for high-fidelity audio playback.

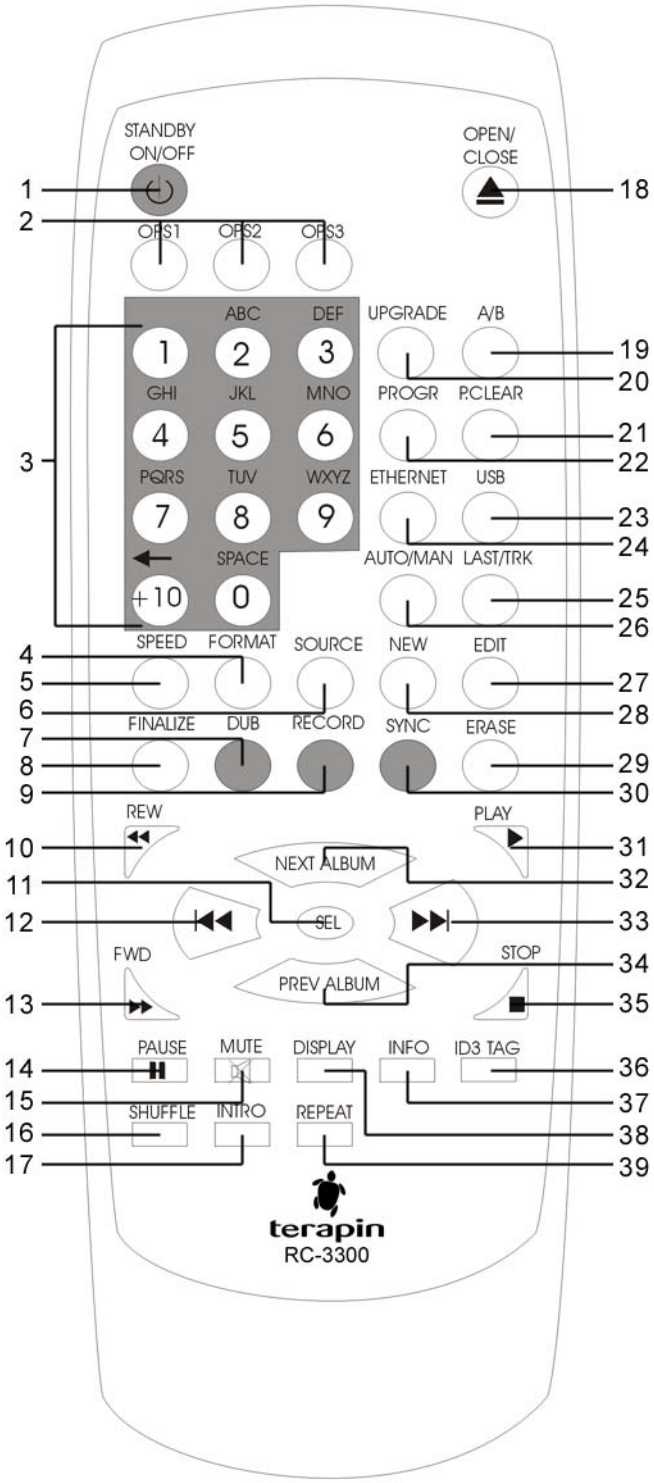
6 Ethernet jack
This jack is for connection to a Local Area Network, for uploading or downloading of MP3 tracks in a network.This function is not available yet, and will be activated via an upgrade provided in the future.

7 Optical In jack
This jack is for connecting a Digital input from digital audio players for high-fidelity digital audio recording.

This connection is for recording from an external source.

8 Serial port
This port is for connecting to a PC or laptop to perform any upgrading for the TX3300.

Remote Control



1 STANDBY ON/OFF
Press to power on the TX3300 from the standby mode and vice versa.

2 OPS1 / OPS2 / OPS3 *
These 3 buttons are reserved for future functions when upgrades and new functions for the TX3300 are available.

3 Numeric Keys*
Press to access a specific track for playback or to select a specific track during programming. In MP3 recording mode, press to access the text edit function.

4 FORMAT
Press to select either Audio CD or MP3 format. Applicable only for blank CDs in Deck B.

5 SPEED
Press to select the CD Dubbing speed from 1x, 2x and 4x. Depending on the format and recording mode, some speed mode may not be applicable.

6 SOURCE
Press to select the recording source from Analog input, Optical input or Coaxial input. Applicable only for recording from an external source.

7 DUB
Press to duplicate individual tracks or the whole CD from Deck A to Deck B, or to convert from Audio CD tracks to MP3 tracks and vice versa. For Data CDs, the whole disc will be duplicated at 4x speed.

8 FINALIZE
Press to close a recorded CD so as to allow playback on other stereo systems such as Hi-Fi systems and common CD players.

9 RECORD
Press to start recording audio from an external source.

10 REW (Rewind)
Press to reverse the audio track that is playing.

11 SEL (Select)
Press to confirm the selected function that you wish to perform. This is a safety feature to prevent accidental damage to a CDR or CDRW. Functions where you need to Select includes [Finalize], [Erase], [Record] and [Dub].

12 ⏮ (Previous Track)
Press to go to the previous track in playback mode. In text edit mode, press to go to previous space.

13 FWD (Forward)
Press to fast-forward the audio track that is playing.

14 PAUSE*
Press to pause the current track in playback mode.

15 MUTE*
Press to mute the audio. To undo the mute function, press this button again.

16 SHUFFLE*
Press to activate the Shuffle play mode and to select between [Album Shuffle], [Disc Shuffle] or [Shuffle Off].

17 INTRO*
Press to play the first 10 seconds of each track in a Audio CD or MP3 CD.

18 OPEN/CLOSE
Press to open and close the disc tray of the active deck.

19 A/B
Press to switch from Deck A to Deck B and vice versa.

20 UPGRADE*
When there are upgrades for the TX3300 available, press this button to perform the upgrade via a CD-ROM, a USB connection or via the Serial port.

21 P.CLEAR (Program Clear)*
Press to clear the current programmed playback.

22 PROGR (Program)*
Press to program a list of up to 50 of your favorite songs.

23 USB*
Press to connect the TX3300 to a PC for transfer of Audio CD tracks and MP3 tracks.

24 ETHERNET*
Press to connect the TX3300 to a Local Area Network. This function is not available yet, and will be activated via an upgrade provided in the future.

25 LAST/TRK (Last Track)*
During recording, press to indicate the current song as the last track to be recorded. Applicable only for recording in Auto mode or CD-Sync recording.

26 AUTO/MAN (Automatic/Manual)
Press to select either the [Automatic] or [Manual] recording mode.

27 EDIT*
Press to edit the current song filename, album name or disc name. Applicable only for an unfinalized MP3 CD.

28 NEW*
Press to create a new album. Applicable only for MP3 recording.

29 ERASE
Press to erase the last track or the last album on a recorded CD. You can also choose to erase the whole album or the whole disc. Not applicable for Audio CDRs.

30 SYNC
Press to perform a CD-Synchronization between an external digital source and the TX3300.

31 PLAY
Press to play the current track.

32 NEXT ALBUM
Press to go to the next album. Applicable only for MP3 CDs.

33 ⏭ (Next Track)
Press to go to the next track in playback mode. In text edit mode, press to go to the next space.

34 PREV ALBUM (Previous Album)
Press to go to the previous album. Applicable only for MP3 CDs.

35 STOP
Press to stop playing the current track or to exit from the current function.

36 ID3 TAG*
Press to view the Title, Album, Genre, Artist or Year of the current song. Applicable only for MP3 tracks with ID3 v1.1 tags.

37 INFO*
Press to view the Disc, Album or Track information of the Audio CD in the active deck. You can also view the System information of the TX3300 and the copyright status of the CD.

38 DISPLAY*
For MP3 CD, when not playing, press to display either Album Navigation or Track Navigation.

During playback, press to display either Playing Time or Remaining Time.

39 REPEAT*
For MP3 CDs, during playback, press to repeat the current track, the current album, the whole CD or both Deck A and Deck B. Press again to cancel.

For Audio CDs, during playback, press to repeat the current track, the whole CD or both Deck A and Deck B. Press again to cancel.

*(Buttons indicated with * are advanced functions which are available only with the remote control)*

Connecting the TX3300

The TX3300 is able to support several connections. Your choice will depend on your needs and the availability of ports on your particular external device.

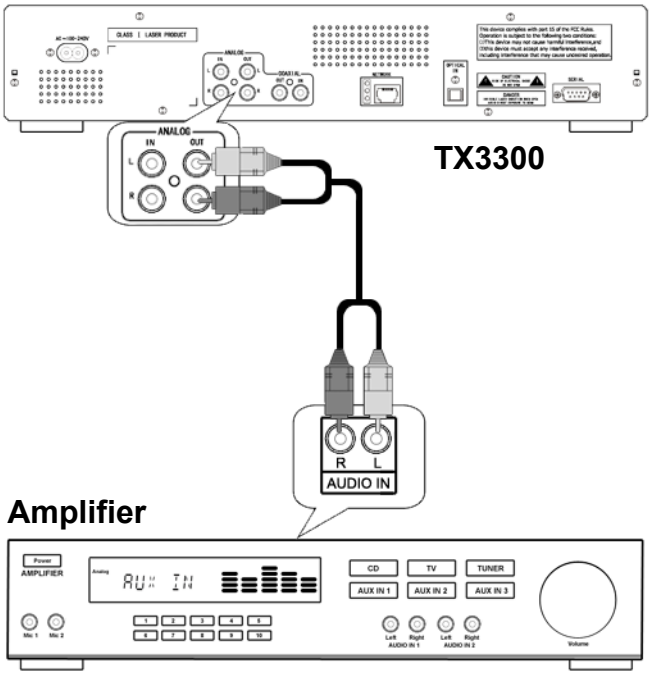
Examples of external devices includes DVD, CD, VCD and LD players, Radio and Hi-Fi Stereo systems, among others.

Analog Connections

1) Analog Playback

Connect the left/right TX3300 outputs to the Audio In of your amplifier as shown in the diagram on the right. This will allow you to playback CDs from Deck A and Deck B, and from a external device.

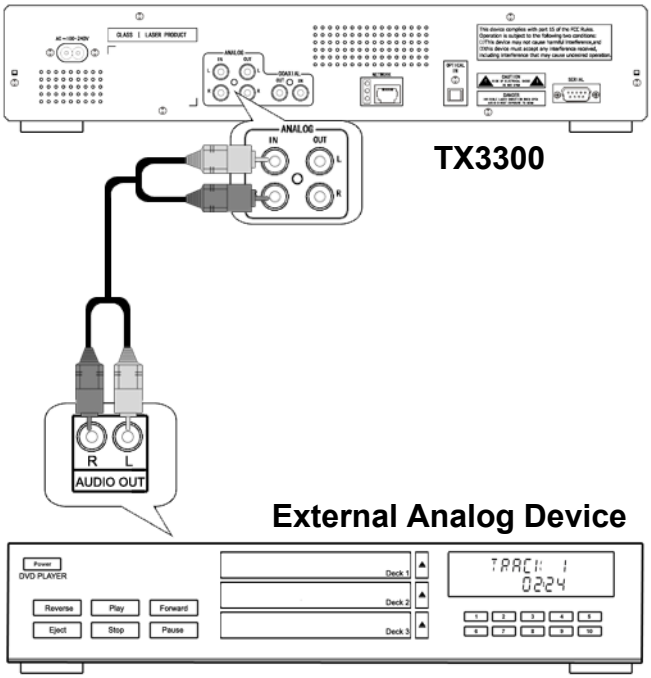
Please ensure that you match the colour of the jack to the colour of the port. For example, white jack to white port, and red jack to red port.



2) Analog Recording

Connect the left/right TX3300 inputs to the Audio Out of your external device as shown in the diagram on the right. This will allow you to record on a blank CDR or CDRW any tracks from this external device.

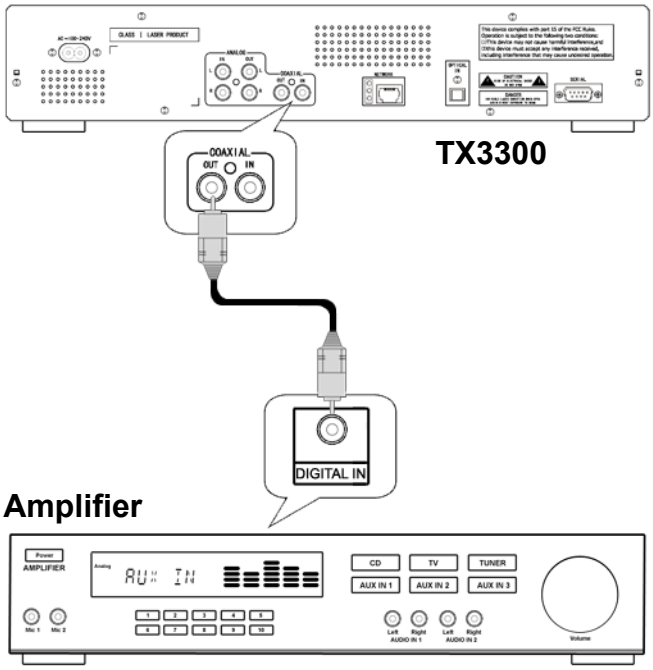
Please ensure that you match the colour of the jack to the colour of the port. For example, white jack to white port, and red jack to red port.



Digital Coaxial Connections

3) Digital Coaxial Playback

For digital coaxial playback of Audio or MP3 CDs from Deck A and Deck B, connect the Coaxial Out of the TX3300 to the Digital In of your amplifier or stereo systems as shown in the diagram on the right.



Note:
Digital Coaxial connections use the same type of RCA jacks. Hence, please ensure that you connect digital signals only to digital jacks. Do not use RCA cables even though they have the same jacks, as they are not appropriate for digital signal use.

If you are using the TX3300 as a digital source to connect to another digital recorder, the TX3300 does not have the channel information (or sub-code) necessary for your recorder device to perform a CD-Sync. Please refer to your digital recorder's product manual for more information.

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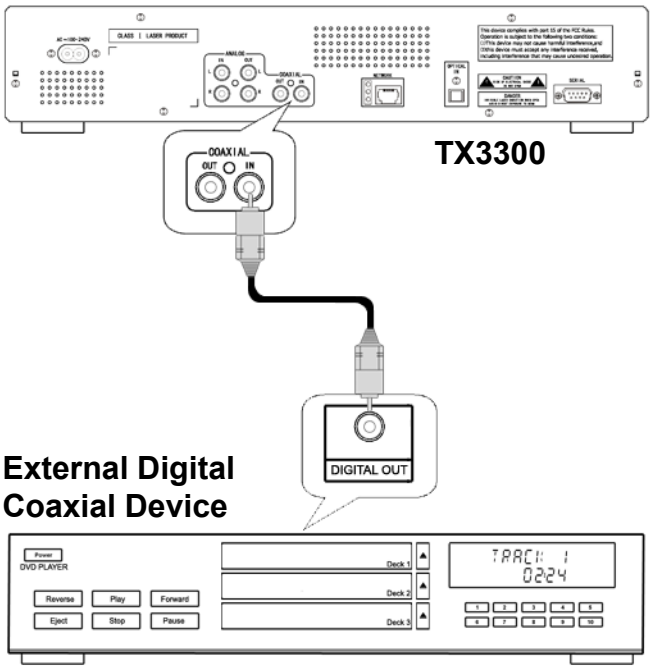
4) Digital Coaxial Recording

To record from an external device using a digital coaxial connection, connect the Coaxial In of the TX3300 to the Digital Out of your external device as shown in the diagram on the right.



Note:
If you wish to perform a CD-Sync from your external device, you will need the channel information (or sub-code). Some devices do not have such features, and you will be unable to perform a CD-Sync if your external device does not support it. Please refer to your device's product manual for more information.

Digital Optical Connection

5) Digital Optical Recording

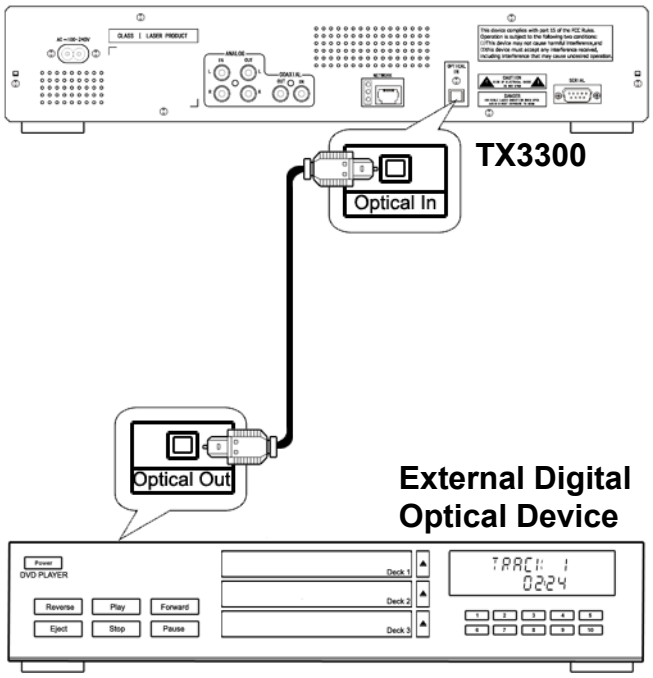
To record from an external device using an optical connection, connect the Optical In of the TX3300 to the Optical Out of your external device as shown in the diagram on the right.

Note:
There are different types of optical connections that are available. Please ensure that you only use 'TOS' type optical cables with the unit.

When using optical cables, do not route the cord around sharp angles. When storing, wind the cord so that they have a diameter of at least 15cm.

When connecting, push all the way into the terminal. Do not use cords with a length of over 3m.

If moisture or dust has collected on the plug, wipe it with a soft cloth before connecting.



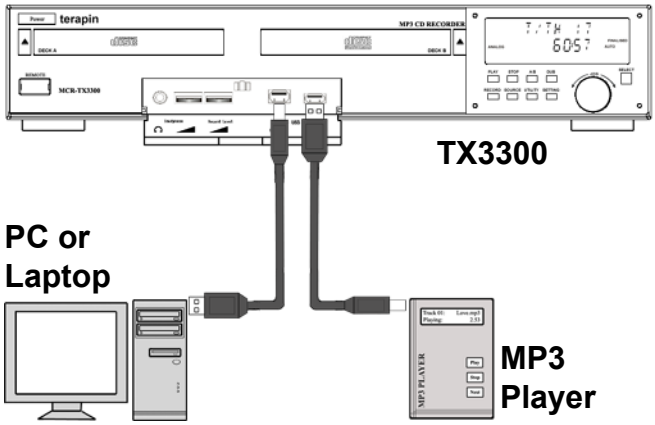
USB Connections

6) USB Connections

The TX3300 has a USB Master port and a USB Slave port.

The USB Master port is for connection to supported USB devices such as MP3 players.
(Not supported yet)

The USB Slave port is for connection to a PC or laptop to upload or download MP3s to and from the TX3300 or to upgrade the TX3300 via a USB cable. Applicable only for PCs or laptops running Windows 98 SE, Windows 2000 or Windows ME.

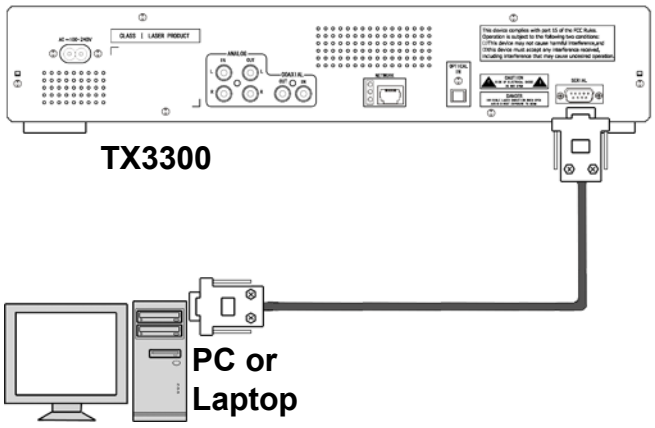


Serial Port Connection

7) Serial Port Connection

This connection is meant to be used only for upgrading the TX3300 or for recovery purposes.

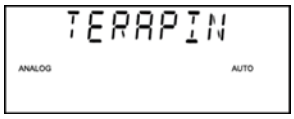
For this connection, attach a Serial Cable to the Serial Port of the TX3300 and attach the other end to the COM Port of your PC or laptop.



Basic Operations

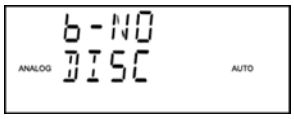
1 Inserting Discs

1) Connect the power cord and power-on the TX3300 by pressing the **Power** button. (Press **Standby On/ Off** button for remote control) The TX3300 will initialize and the following screen will appear flashing.

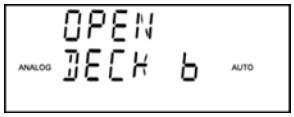


Please note that when the display screen is flashing, it means that the TX3300 is performing an operation. Please wait for the screen to stop flashing before continuing.

2) If there is no disc in the active deck, the display will show NO DISC.

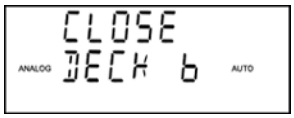


3) Press the **Open/Close** button to open the disc tray of the active deck.

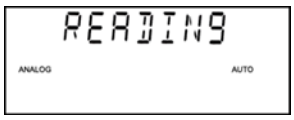


4) Insert a disc with the printed side facing up.

5) Press the **Open/Close** button to close the disc tray.



6) The TX3300 will start to read the inserted disc.



---

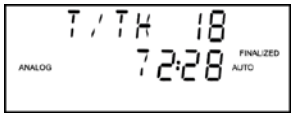
2 If the disc is a standard CD or a finalized CDR or CDRW disc (Audio CDs and MP3 CDs).

1) Once the disc has been read, the display window will display briefly the type of disc and whether it is an Audio CD or a MP3 CD. The 'FINALIZED' indicator will also appear on the display.

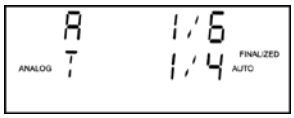
Audio CD

MP3 CD

2) If the disc is an Audio CD, the display window will show the total number of tracks and the total time of all the tracks on the disc. If there are more than 20 tracks, the disc will take a longer time to be read.



3) If the disc is a MP3 CD, the display window will show the total number of albums and the total number of tracks in the first album. If there are a lot of albums and tracks, the disc will take a longer time to be read.

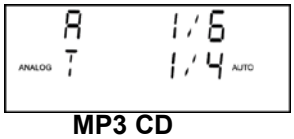


---

3 If the disc is not finalized.

The display will show the same information as a finalized one, except that the FINALIZED indicator will not appear. NEVER load an unfinalized disc into Deck A as this can damage the disc and the TX3300.

Audio CD



MP3 CD

You can continue to record additional tracks as long as the disc is not finalized, subject to a maximum of 74 minutes for Audio recording or 650MB for MP3 recording.

---

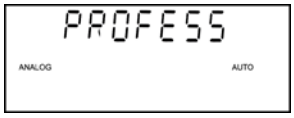
4 If the disc is a blank CDR or CDRW.

The following display will appear to indicate that the inserted disc is blank:

Blank CDR

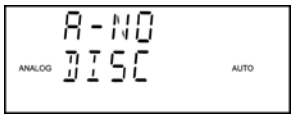
Blank CDRW

If a blank disc that is of non-Audio grade is inserted, the message PROFESSIONAL DISC will be scrolled briefly across the display window.



This disc is only suitable for MP3 recording and duplicating of computer CD-ROMs, and cannot be used to make an Audio CD.

Please note that only Deck B will be able to recognize blank discs. Blank discs inserted in Deck A will result in a 'NO DISC' message.



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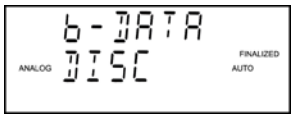
5 If the disc is a computer CD-ROM.

The display will indicate that it is a data disc and you will not be able to do any playback. However, you will still be able to do a disc dub.

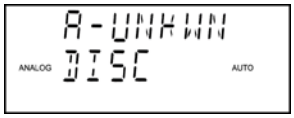


However, if there are any Audio or MP3 tracks in the CD-ROM, the disc will be recognized as an Audio or MP3 CD respectively.

---

6 If the disc is not recognized by the TX3300.

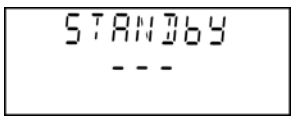
The display will indicate that it is an unknown disc. Examples includes discs recorded in an Apple Macintosh format or spoilt discs.



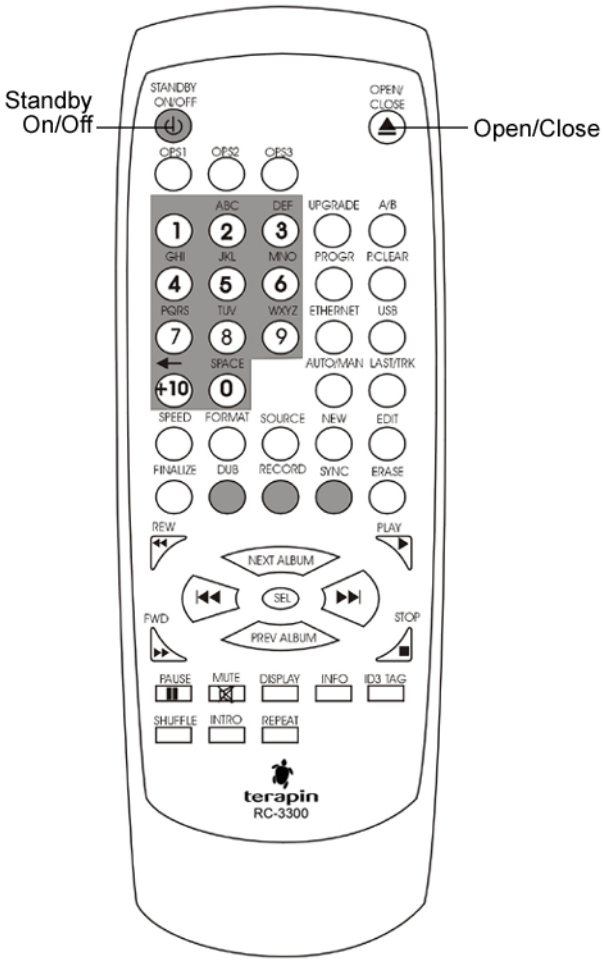
---

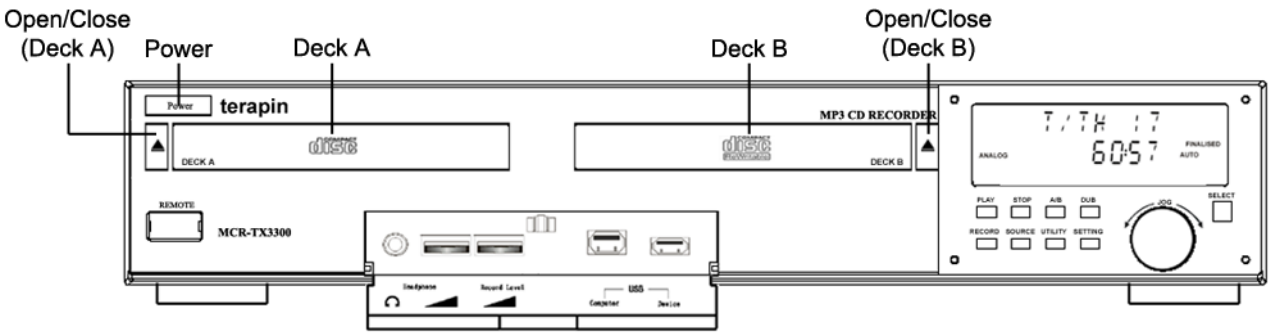
7 Switching off the TX3300

When the TX3300 is not in use, you can choose to make it go into Standby mode. Press **Power** on the front panel or **Standby On/Off** on the remote control. The TX3300 will also go into standby mode automatically if it is idle after 30 minutes.



Quick Reference





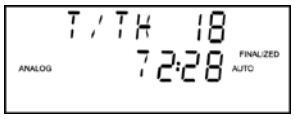
Playback Functions

The TX3300 is able to playback both Audio CDs and MP3 CDs. Only one deck can be active at any one time, and the active deck is indicated by an amber light at the top of the **Open/Close** button of the active deck on the TX3300.

Audio CD Playback

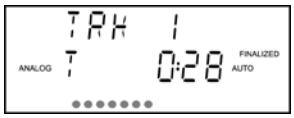
1 Normal Playback

1) Insert an Audio CD with the printed side facing up and wait for the TX3300 to finish detecting the inserted disc. Once the Audio CD is detected, the display window will show the total number of tracks and the total playing time on the disc.



2) Press **Play** on the front panel control or remote control to start playing the first track.

The TX3300 will then play in sequence from the first track till the last track.



The Audio Level indicator at the bottom of the display window will increase according to the playback volume of the Audio CD. The more segments that are lighted, the higher the playback volume.

To stop playing at any time, simply press the **Stop** button.

3) To pause the playback of the current track, press the **Pause** button.
(Remote Control only)

4) To resume playback, press **Play** or the **Pause** button again.

---

2 Playback of a particular track

Front Panel Control:

1) To skip to the next track, turn the **Function Jog Dial** clockwise.

2) To skip to the previous track, turn the **Function Jog Dial** anti-clockwise.

Remote Control:

1) To skip to the next track, press ⏭.

2) To skip to the previous track, press ⏮ twice. To play the current track again, press ⏮ once.

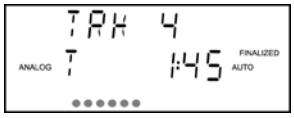
Alternatively, you can also use the **Numeric Keys** to select the desired track. To select tracks 10 and above, press the **+10** button.

---

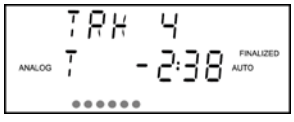
3 Changing the Display mode
(Remote Control only)

You can select the mode of display from the following options:

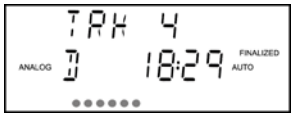
The default display shows the current playing time of the current track.



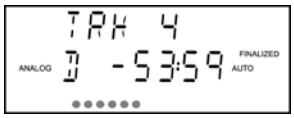
1) To show the playing time remaining in the current track, press **Display** once on the remote control.



2) To show the total current playing time of the current disc, press **Display** twice on the remote control.



3) To show the total playing time remaining of the current disc, press **Display** thrice.



4) To revert to the default display, press **Display** again.

---

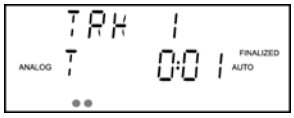
4 Intro Play
(Remote Control only)

The TX3300 allows you to play the first 10 seconds of each track in the Audio CD. This is useful when you wish to find a particular track but do not know which track is the one that you are looking for.

1) Press **Intro** on the remote control to enter into Intro Play mode.

2) Press **Play** to start playing the first 10 seconds of each track.

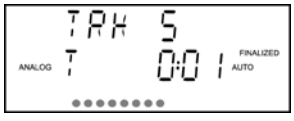
⇊



3) To start playing from a particular track, use the **Numeric Keys** to select the desired track.

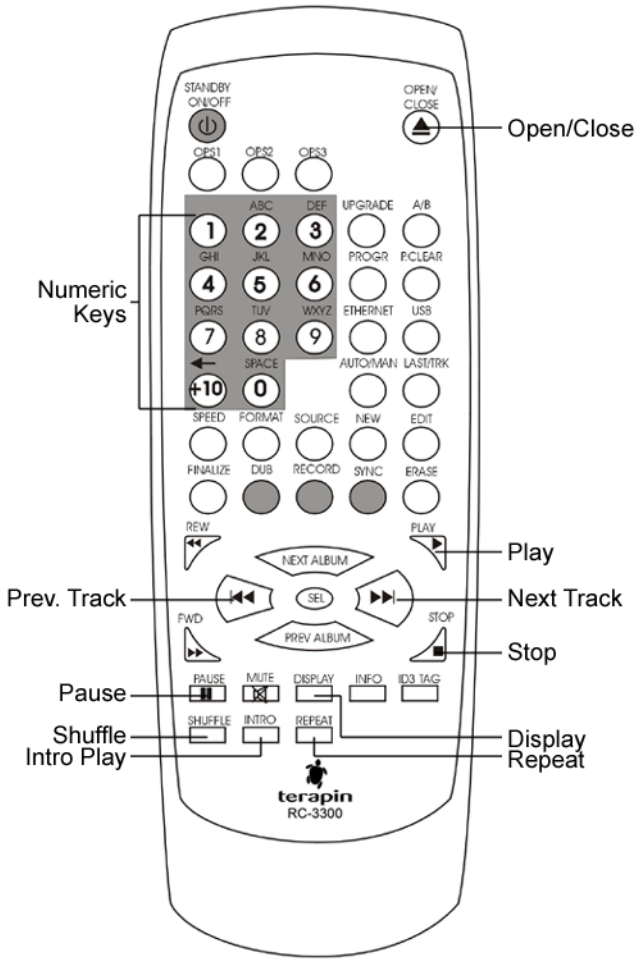
4) When you have found the track that you are looking for, to switch into Normal Play mode, press **Intro** again.

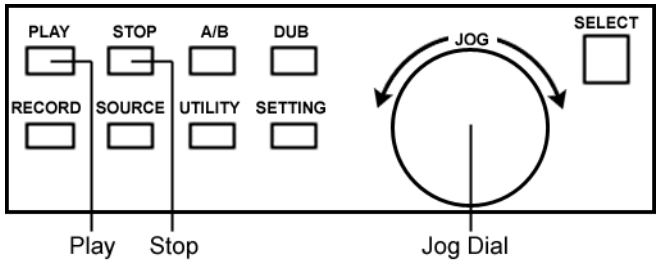
The track will then play again from the beginning.



Note:
If Shuffle mode is on, it will be automatically switched off. The Repeat mode is also not allowed during Intro Play mode.

Quick Reference

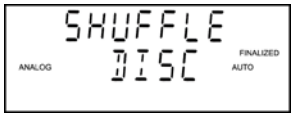




5 Shuffle Play
(Remote Control only)

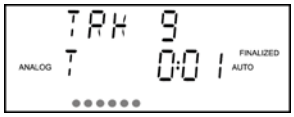
The TX3300 allows you to play all the tracks on an Audio CD in a random sequence. Each track will be played once till all the tracks have finished playback.

1) Press **Shuffle** to play all the tracks of an Audio CD randomly.



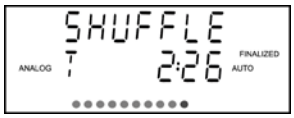
2) Press **Play** to start playing the Audio CD in Shuffle mode.

⇊



3) To skip the current track and play the next track (not in sequence), press ⏮ or ⏭. You will not be able to use the **Numeric Keys** to select a track in Shuffle mode.

4) To switch back to Normal Play mode, press **Shuffle** again. The Display Window will show SHUFFLE OFF and continue playing the current track. Thereafter, remaining tracks will be played in order.



Note:
If Intro Play mode is on, it will be automatically switched off.

---

6 Program Play
(Remote Control only)

This function allows you to create a playlist of your favorite songs in your desired sequence from either Deck A, Deck B, or both. You can program up to 50 tracks.

As this function includes playback of MP3 CDs, please refer to Page 20 for more details.

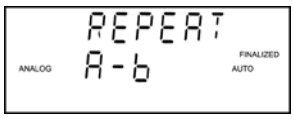
7 Repeat Play
(Remote Control only)

This function allows you to play the same track, the same disc, or both Deck A and Deck B again.

1) Press **Repeat** once on the remote control to play the same track again.

2) Press **Repeat** twice to play the whole disc again.

3) If both Deck A and Deck B have discs inserted, press **Repeat** 3 times to play both Deck A and Deck B again.



4) Press **Repeat** again to cancel the repeat function.

5) Once you have selected your desired option, press **Play** to start the playback.

Note:
*The illustrations shown above are for selections before playback only. The **Repeat** function is also valid during playback.*

MP3 CD Playback

Quick Reference

1 Normal Playback

1) Insert a MP3 CD with the printed side facing up and wait for the TX3300 to finish detecting the inserted disc.

   Once the MP3 CD is detected, the display window will show the total number of albums in the disc (first line) and the total number of tracks in that album (second line).

2) Press **Play** on the front panel control or remote control to start playing the first track of the first album.

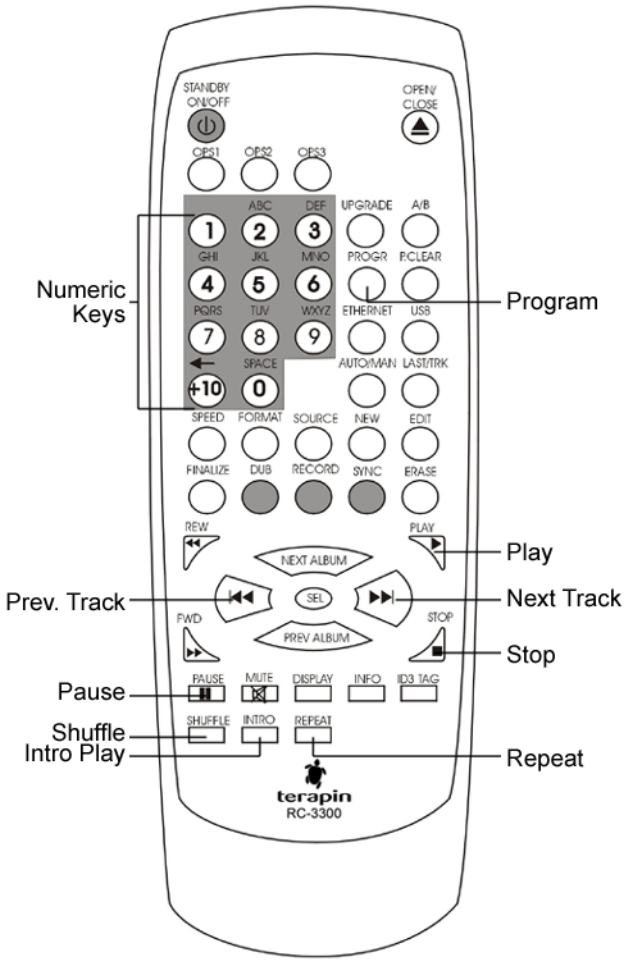
   The TX3300 will then play in sequence from the first track till the last track of the first album (or the album that was selected).

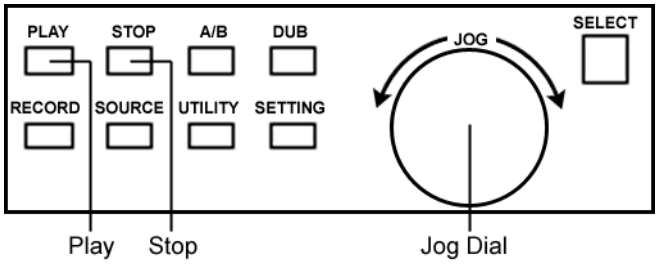
   The Audio Level indicator at the bottom of the display window will increase according to the playback volume of the MP3 CD. The more segments that are lighted, the higher the playback volume.

3) To stop playing at any time, simply press the **Stop** button.

4) To pause the playback of the current track, press the **Pause** button.

5) To resume playback, either press **Play** or the **Pause** button again.





2 Playback of a particular track

Front Panel Control:

1) To skip to the next track, turn the **Function Jog Dial** clockwise.

2) To skip to the previous track, turn the **Function Jog Dial** anti-clockwise.

Remote Control:

1) To skip to the next track, press ⏭.

2) To skip to the previous track, press ⏮ twice. To play the current track again, press ⏮ once.

Alternatively, you can also use the **Numeric Keys** to select the desired track. To select tracks 10 and above, press the **+10** button.

---

3 To select a particular album

(Not applicable if the TX3300 is currently playing)

Front Panel Control:

1) To go to the first song on the next album, press the **Select** button once and turn the **Function Jog Dial** clockwise.

2) To go to the first song of the previous album, press the **Select** button once and turn the **Function Jog Dial** anti-clockwise.

Remote Control:

1) To go to the first song on the next album, press the **Next Album** button once.

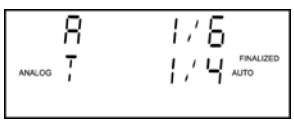
2) To go to the first song of the previous album, press the **Prev Album** button once.

---

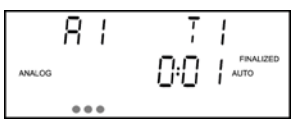
4 Changing the Display mode

(Remote Control only)

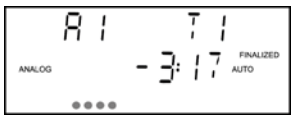
1) The default display is Album Display, where both the Album and Track information is shown.



During playback, the display will show which track of which album that the TX3300 is currently playing.



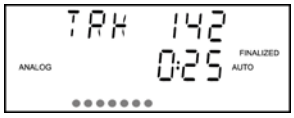
2) You can change the display to show the time remaining on the current track by pressing **Display** once. To change back to show the current playing time, press **Display** again.



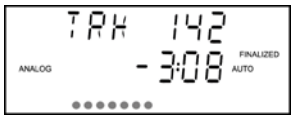
3) You can also change the default Album Display to Track Display to show the total number of tracks on the disc, regardless of how many albums there are.

4) Press **Display** before playback to change to Track Display mode.

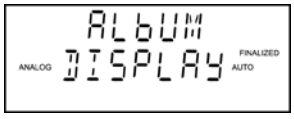
During playback, the display will show which track is playing and the current playing time.



5) You can change the display to show the time remaining on the current track by pressing **Display** once. To change back to show the current playing time, press **Display** again.



6) To change back to Album Display mode, ensure that the disc is not playing, and press **Display**.



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5 Intro Play

(Remote Control only)

The TX3300 allows you to play the first 10 seconds of each track in a MP3 CD. This is useful when you wish to find a particular track but do not know which track is the one that you are looking for.

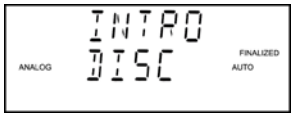
1) Press **Intro** on the remote control to enter into Intro Play mode.

2) Press **Play** to start playing the first 10 seconds of each track in the selected album. The TX3300 will stop playing once it have finished playing all the tracks in the album.

⇊

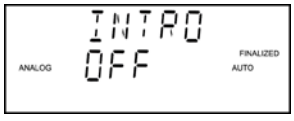
3) To start playing from a particular MP3 track, use the **Numeric Keys** to select the desired track. You can also select another album by pressing **Next Album** or **Prev Album**.

4) You can also play the first 10 seconds of every MP3 track in the entire disc. Press **Intro** again to go into Intro Disc mode.

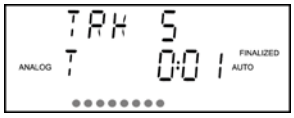


5) Press **Play** to start playing the first 10 seconds of each MP3 track.

6) When you have found the MP3 track that you are looking for, to switch into Normal Play mode, press **Intro** again.

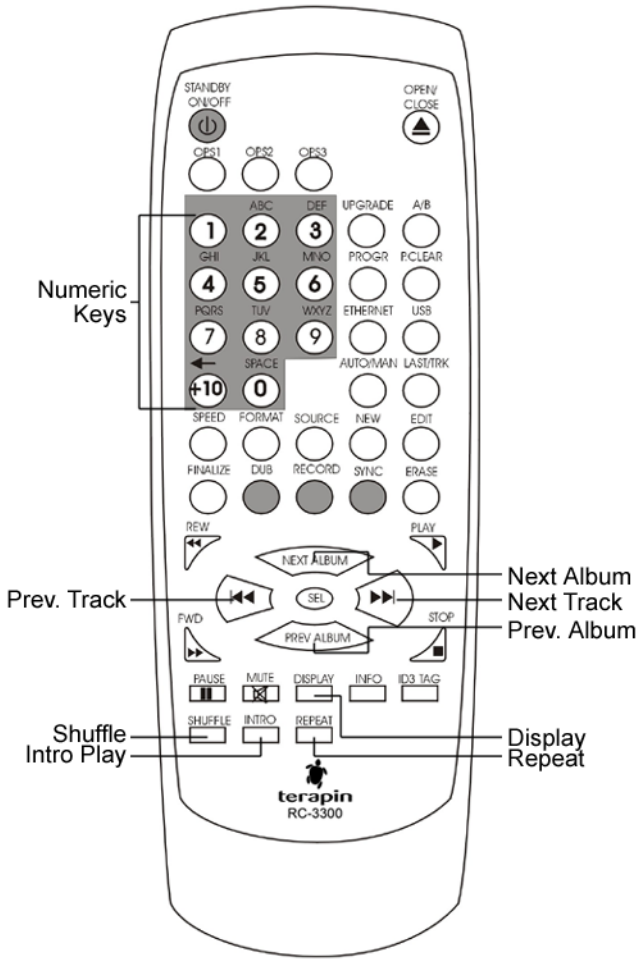


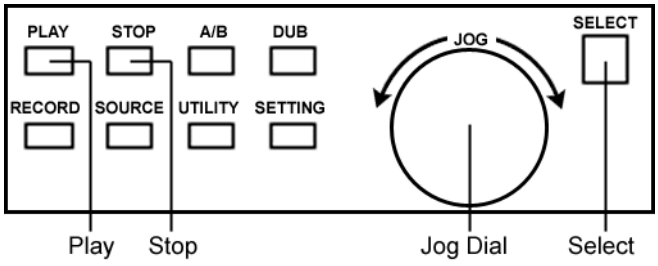
The current track will then play again from the beginning.



Note:
If Shuffle mode is on, it will be automatically switched off. The Repeat mode is also not allowed during Intro Play mode.

Quick Reference



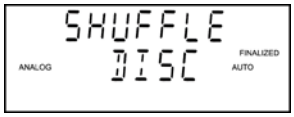


6 Shuffle Play
(Remote Control only)

The TX3300 allows you to play all the tracks in a MP3 CD in a random sequence. Each track will be played once till all the tracks in the album or in the disc have finished playback.

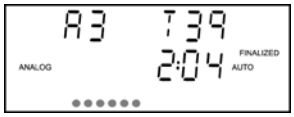
1) Press **Shuffle** once to play all the MP3 tracks in a album randomly.

2) Press **Shuffle** again to play all the MP3 tracks in a disc randomly.



3) Press **Play** to start playing the tracks in the selected album in Shuffle mode.

⇊



4) To skip the current track and play the next track (not in sequence), press ⏮ or ⏭. To skip the current album and select the next album, press **Next Album** or **Prev Album**. You will not be able to use the **Numeric Keys** to select a track in Shuffle mode.

   To switch back to Normal Play mode, press **Shuffle** again. The Display Window will show SHUFFLE OFF and continue playing the current track. Thereafter, remaining tracks will be played in order.

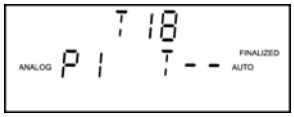
Note:
If Intro Play mode is on, it will be automatically switched off. You can switch to the Shuffle mode even during playback.

7 Program Play
(Remote Control only)

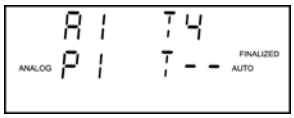
This function allows you to create a playlist of your favorite songs in your desired sequence from either Deck A, Deck B, or both. You can program up to 50 tracks.

1) Press the **Progr** button to go to Program Edit mode.

   If the disc inside the active drive is an Audio CD, the following display screen will appear. The first line shows the total number of tracks while the second line shows the status of the programming.

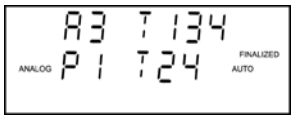


   If the disc inside the active drive is a MP3 CD, the following display screen will appear. The first line shows the selected album and the total number of tracks in the album. The second line shows the status of the programming.



2) To go to other albums, press **Next Album** or **Prev Album**.

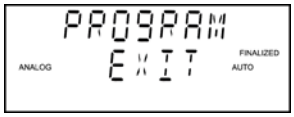
3) Select the first track to be programmed by using the **Numeric Keys**. Press **+10** for every 10 tracks. For example, if you want Track 24, press **+10** twice followed by **4**.



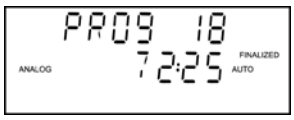
4) Press **Sel** to confirm the track that you have chosen and repeat the above steps till you have finished programming, up to a maximum of 50 tracks.

5) To program a track in the other deck, just press **A/B** and you will be able to add on more tracks. To review or change the programming, press ⏮ or ⏭, and you will be able to change the programmed track. To erase a programmed track, simply press the **Erase** button.

6) During programming, press **Stop** anytime to exit the Program Edit mode and go to Normal Play mode.

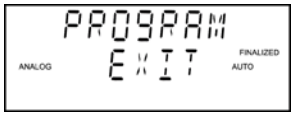


7) Once you are done with your selection, press **Progr**. again to go to Program Standby mode. The total number of tracks and the total playing time will be displayed.

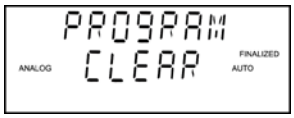


8) Press **Play** to start playing your programmed tracks.

9) To switch back to Normal Play mode without clearing the programming, press **Progr.** to go into Program Edit mode and press **Stop**.



10) To clear the programming, press **P.Clear** while in Program Standby mode.



Note:
If one of the decks is ejected, then all the songs that are programmed for that disc will be erased.

---

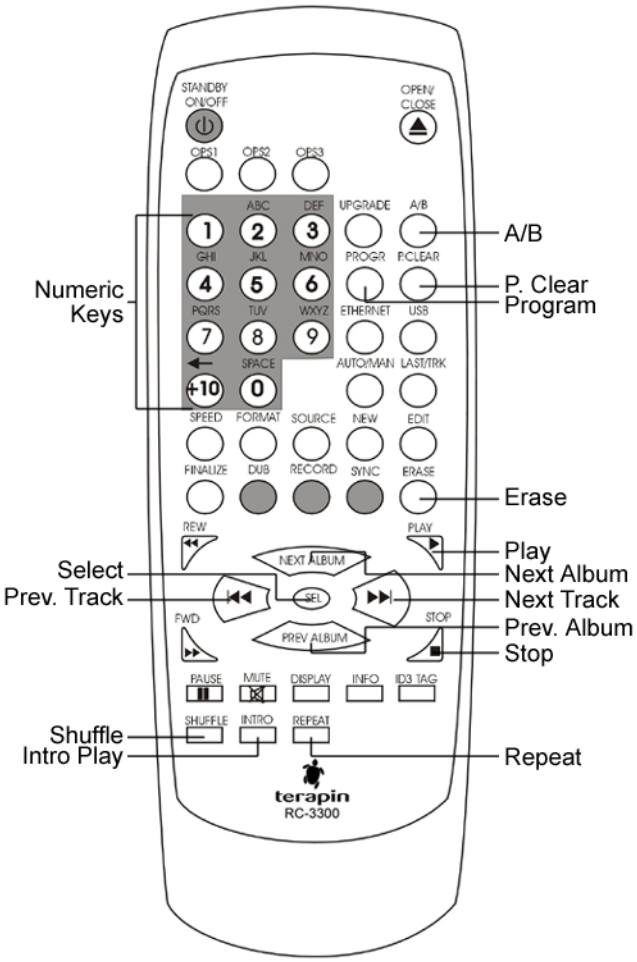
8 Repeat Play
(Remote Control only)

This function allows you to play the same track, the same album, the same disc, or both Deck A and Deck B again.

All functions are identical as compared to an Audio CD, except for **Repeat Album**. Please refer to Page 16 for the explanations.

Press **Repeat** twice to play the same album again.

Quick Reference

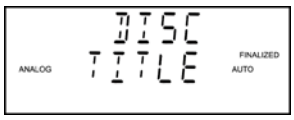


8 Info Display

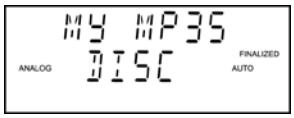
(Remote Control only)

This function allows you to view the title of a MP3 track, album or the disc.

1) Press **Info** once to select Disc Album. This is the name of the disc when viewed on a computer.

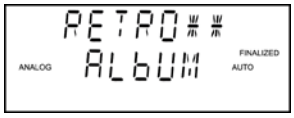


2) Press **Sel** to view the title of the MP3 disc, which is 'My MP3s' in the example shown below.

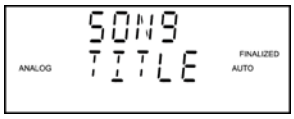


3) To view the title of the current album, press **Info** twice. When the same disc is viewed on a computer, this will be the name of the folder in which the MP3 tracks are saved.

4) Press **Sel** to view the title of the album, which is 'Retro' in the example shown below.

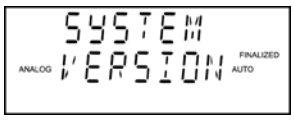


5) To view the title of the current track, press **Info** thrice. When viewed on a computer, this will be the filename of the MP3 track (example: Mary Jo - I Care.mp3)

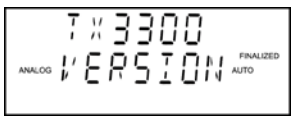


6) Press **Sel** to view the title of the current track, which is 'Mary Jo - I Care' in the example shown below.

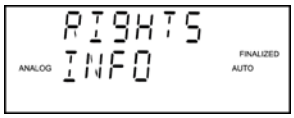
7) Press **Info** again to view the System Version of the TX3300. This will tell you the software version as well as the date in which it was last updated.



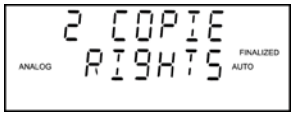
8) Press **Sel** to view the software version.



9) To view the Rights Info, press **Info** again. This will show you the copyright status of the disc inside the active deck, and how many more copies that you can make.



10) Press **Sel** to view the number of copies that you can make.



Note:
The maximum number of characters that the TX3300 will display is 32. Hence, if the title is longer than 32 characters, the 33rd character and above will not be displayed.

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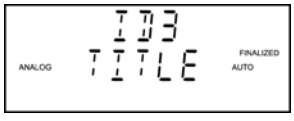
9 ID3 Tag Display

(Remote Control only)

This function allows you to view the ID3 Tag (v1.1 only) of a MP3 track. ID3 Tags are information that are embedded in MP3 tracks that tells you what is the title of the song, the artist that sang it, what album it came from and etc.

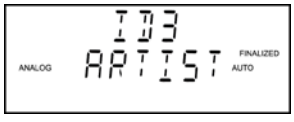
These tags may be edited, and as they are created by individuals, they may not be accurate.

1) To select ID3 Title, press **ID3 Tag** once.



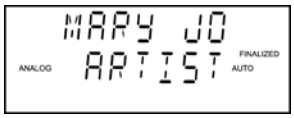
2) Press **Sel** to view the title of the MP3 track, which is 'I Care' in the example shown below.

3) To select ID3 Artiste, press **ID3 Tag** twice .



Quick Reference

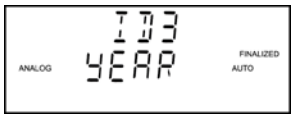
4) Press **Sel** to view the Artist information, which is 'Mary Jo' in the example shown below.



5) To select ID3 Album, press **ID3 Tag** thrice.

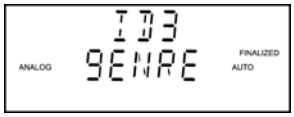
6) Press **Sel** to view the title of the Album, which is 'Best of Mary Jo' in the example shown below.

7) To select ID3 Year, press **ID3 Tag** four times.



8) Press **Sel** to view the year that the MP3 track is recorded, which is '2001' in the example shown below.

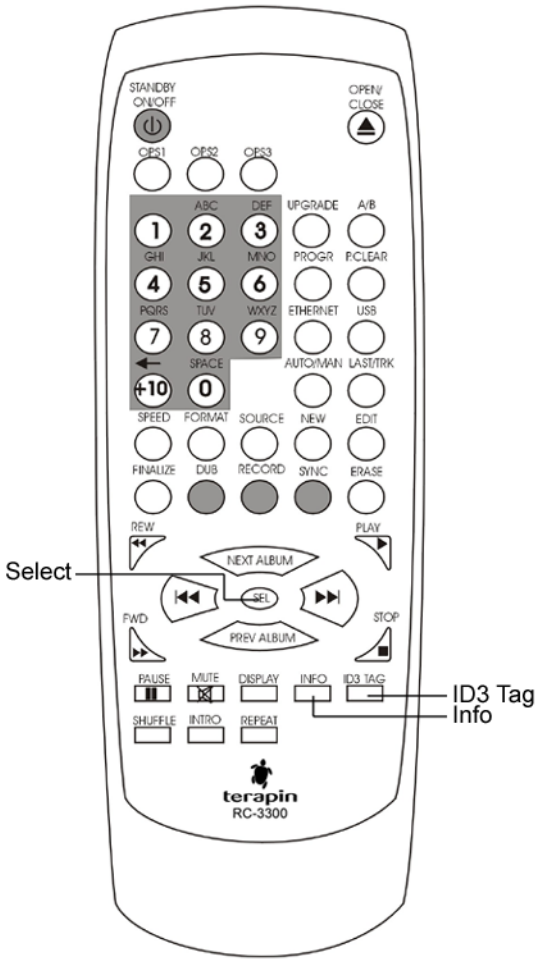
9) To select the ID3 Genre, press **ID3 Tag** five times.



10) Press **Sel** to view the Genre that the MP3 track belongs to, which is 'Ballad' in the example shown below.

Note:
The maximum number of characters that the TX3300 will display is 32. Hence, if the title is longer than 32 characters, the 33rd character and above will not be displayed.

All references to artist, song and album names used as examples are imaginary, and any concidences are not intended.



Recording Functions (Internal)

The TX3300 that you own now is the world's first dual-deck MP3 Audio CD Recorder that offers you the best in digital music entertainment. You can now easily convert Audio CD tracks to MP3 files for a relaxed marathon music playback, or convert MP3 files to Audio CD tracks for playback on common stereo systems.

The TX3300 is the only CD Recorder that you will ever need to complie your own music and MP3 album.

Important Information

1 Media

To record in Audio CD format (or CDDA in some regions), the TX3300 requires Consumer-grade CDRs and CDRWs, which can be used to record Audio tracks in speeds of 1x, 2x or 4x. For real-time recording (1x), you will need CDRs as CDRWs are not supported.

For MP3 recording purposes, as well as for dubbing of Data discs, you can use both Consumer-grade and Professional-grade CDRs and CDRWs to record in speeds of 1x, 2x or 4x.

A CDR or CDRW can only be in one format. You will not be able to have both Audio tracks and MP3 tracks in one single CD, and you will need to have separate CDs for each format.

If a non-finalised disc has been recorded using other devices other than the TX3300, such as a PC, you will not be able to add any more Audio or MP3 tracks to it.

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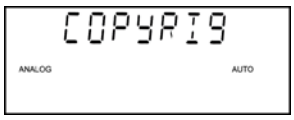
2 Copyright Protection

The TX3300 is mainly meant for consumer use. Hence, there is a copyright protection scheme implemented in all Audio and MP3 recordings.

For Audio recording, the industry-standard **Serial Copy Management Scheme (SCMS)** has been adopted and implemented. This allows you to make copies of the original commercial CD or discs that are not recorded by the TX3300. It will not allow you to make copies of a CD that was recorded by the TX3300.

For MP3 recording, a proprietary system named **Digital Rights Management (DRM)** has been developed and implemented. This will allow you to make copies from a MP3 CD recorded by the TX3300, but does not allow you to use the duplicated disc as a source for further duplication.

The message COPYRIGHT VIOLATION will appear if you attempt to copy a disc that is copyrighted.



If a disc is copyrighted, you will not be able to do a Disc Dub. However, the TX3300 will switch to Analog Copy mode, and you will be able to dub individual tracks. In this mode, the recording speed is at 1x, and only consumer-grade CDRs can be used. They may also be a slight drop in audio quality.

3 Playback on other devices

An Audio CD that was created using the TX3300 should be able to play back on other devices, provided the Audio CD has been finalized and your device supports CDRs. Please refer to your device's product manual for more details.

A MP3 CD created by TX3300 should be able to play back on devices that are Multi-Read Compatible. For devices that are not multi-read compatible, you will need to perform a Disc Dub of the MP3 CD before using the duplicated copy to play. Please refer to your device's product manual for more details.

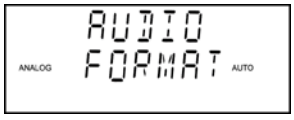
Dubbing from Deck A to Deck B

This section explains how to record an Audio track or a MP3 track from Deck A (Source Drive) to Deck B (Recorder Drive) in speeds of 1x, 2x or 4x.

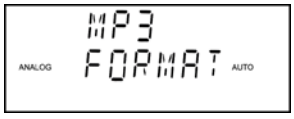
To do any Audio or MP3 recording, for any blank CDRs or CDRWs, you will need to specify the format first. Otherwise, the format of the disc will be that of the current setting.

Once a disc is already recorded in Audio or MP3 format, you will not be able to change the recording format anymore.

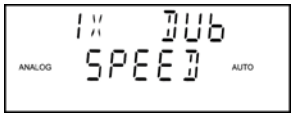
1) Select Audio Format to record an Audio CD.



2) Select MP3 Format to record a MP3 CD.



3) Select 1x Dub Speed to dub any tracks in real-time. This will allow you to listen to the audio track currently being recorded. Please note that you will not be able to use CDRWs to record Audio CD tracks in 1x speed.



4) Select 2x Dub Speed to dub any tracks at twice the speed of real-time recording. For example, if your Audio track is 4 minutes long, this option will allow you to dub the track in 2 minutes.

5) Select 4x Dub Speed to dub any tracks at four times the speed of real-time recording. For example, if your Audio track is 4 minutes long, this option will allow you to dub the track in 1 minute.

Audio CD track to Audio CD track

This function allows you to record an Audio CD track from Deck A onto a CDR or CDRW in Deck B. Please note that 1x Dubbing Speed is not applicable for CDRWs.

First, insert an Audio CD into Deck A and a blank CDR or CDRW disc into Deck B.

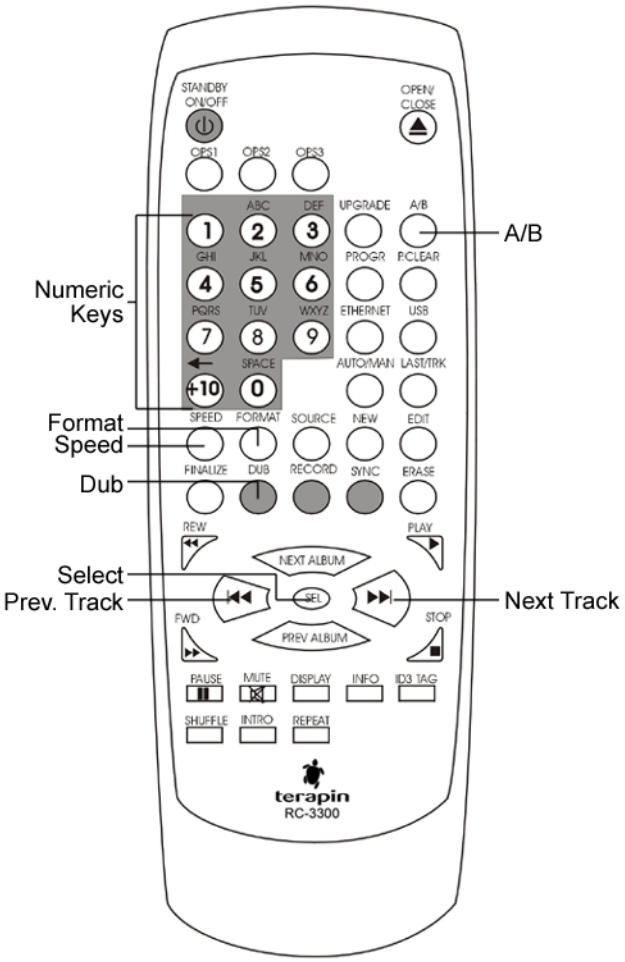
Audio CD

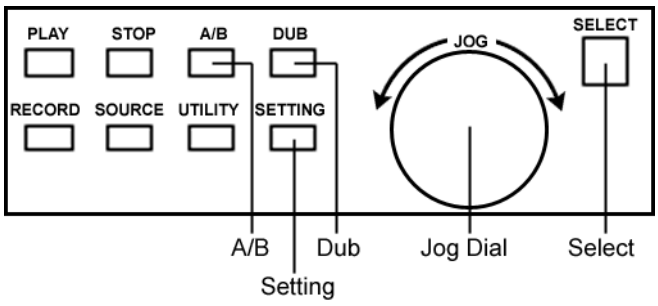
Blank CDR

Front Panel Control:

1) With Deck B as the active deck, press **Setting** once and turn the **Function Jog Dial** clockwise or anti-clockwise to choose Audio Format.

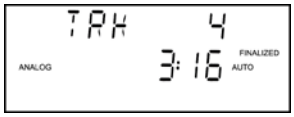
Quick Reference



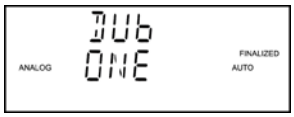


2) Press **Select** to confirm your selection.

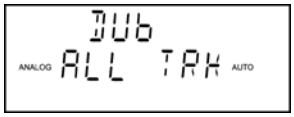
3) Press **A/B** to select Deck A as the active deck and use the **Function Jog Dial** to choose the track that you want to dub.



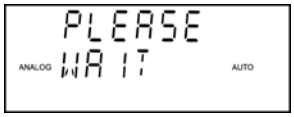
4) Press **Dub** to choose Dub One mode.

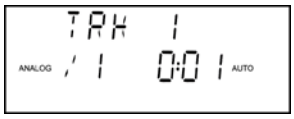


Instead of dubbing just one track, you can also choose to dub all the tracks as well. To go into Dub All Tracks mode, press **Dub** and turn the **Function Jog Dial** to select Dub All Tracks.



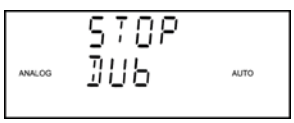
5) Press **Select** to start dubbing. The TX3300 will select Deck B as the active deck, and after doing a copyright check, it will start recording all the tracks at 1x.

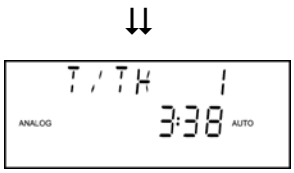




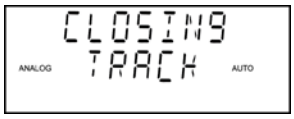
For recording at 1x, you will be able to listen to the Audio track while it is being recorded.

6) Once the recording has finished, the TX3300 will stop automatically and update the disc.





7) You can stop the recording anytime to halt the dubbing process. The TX3300 will stop recording and proceed to close the current track that is being recorded.



After stopping, you will be able to play the recorded track up to the point where you pressed **Stop**.

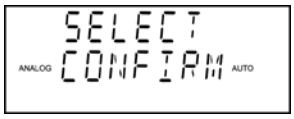
8) The default dubbing speed is 1x. However, you can change speed to 2x or 4x for high-speed recording. For high-speed recording, you will not be able to listen to the audio track that is being dubbed.

To change the dubbing speed, press **Setting** and turn the **Function Jog Dial**. To confirm your selection, press **Select**.

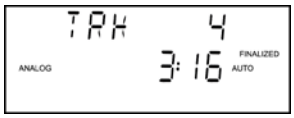
Remote Control:

1) With Deck B as the active deck, press **Format** once to choose Audio Format.

2) Press **Sel** to confirm your selection.

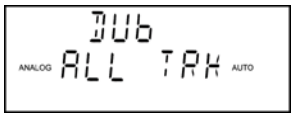


3) Press **A/B** to select Deck A as the active deck and use the **Numeric Keys**, ⏮ or ⏭ to choose the track that you want to dub.

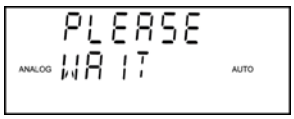


4) Press **Dub** to choose Dub One mode.

5) To go into Dub All Tracks mode, press **Dub** twice.



6) Press **Sel** to start dubbing. The TX3300 will select Deck B as the active deck, and after doing a copyright check, it will start recording at 1x.



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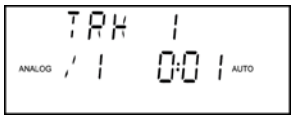
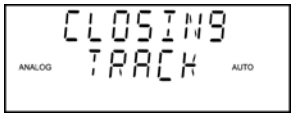


For recording at 1x, you will be able to listen to the Audio track while it is being recorded.

7) Once the recording has finished, the TX3300 will stop automatically and update the disc.



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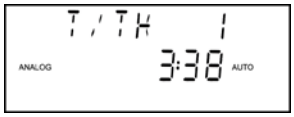
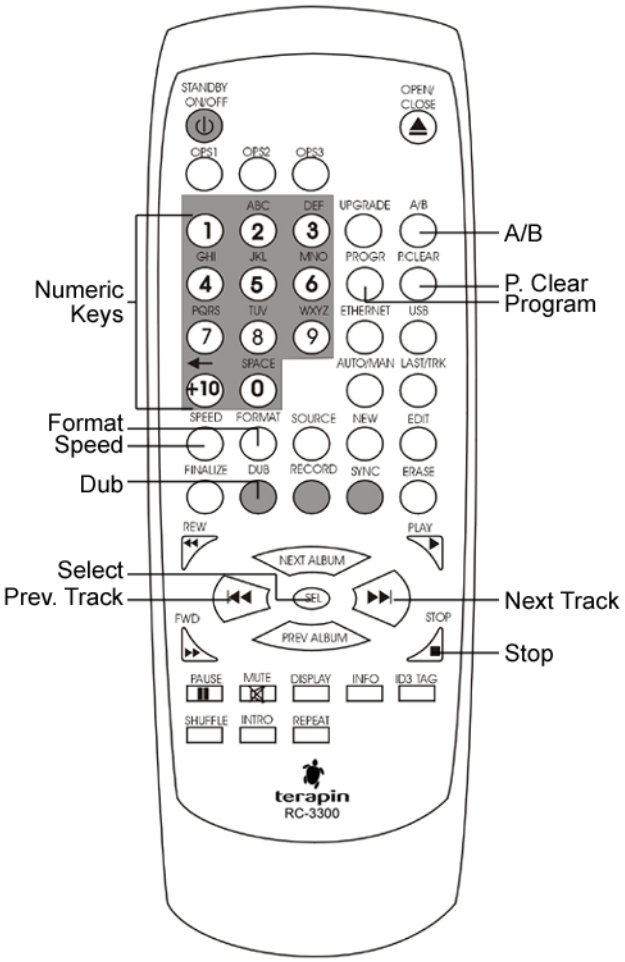
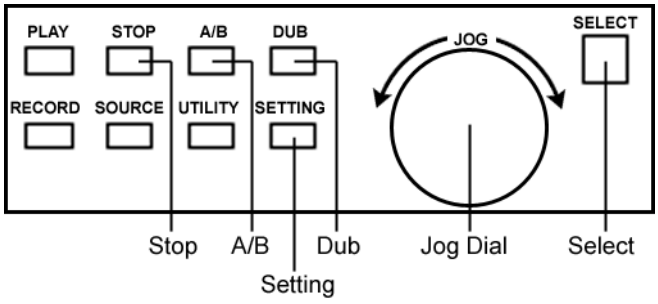
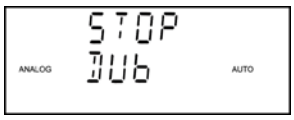


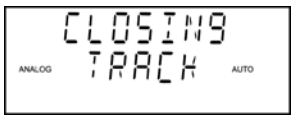
8) You can stop the recording anytime by pressing **Stop** to halt the dubbing process. The TX3300 will stop recording and proceed to close the current track.

Quick Reference





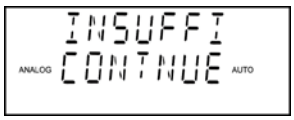




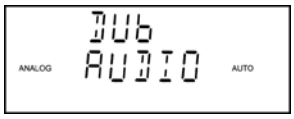
After stopping, you will be able to play the recorded track up to the point where you pressed **Stop**.

9) To change the dubbing speed, press **Speed** and to confirm your selection, press **Sel**.

Note:
If there is insufficient space on the disc, you will be prompted whether you want to continue recording.



*To continue recording, press **Select** (or **Sel** for Remote Control). The TX3300 will record until the disc in the recording deck is full.*

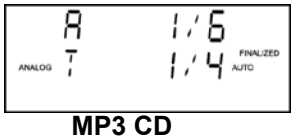


*If you did not press **Select** (or **Sel** for Remote Control) within 5 seconds, the TX3300 will cancel the dubbing function due to insufficient space.*

MP3 track to MP3 track

This function allows you to record a MP3 track from Deck A onto a CDR or CDRW in Deck B.

First, insert a MP3 CD into Deck A and a blank CDR or CDRW disc into Deck B.



MP3 CD

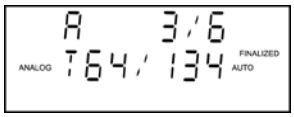
Blank CDR

Front Panel Control:

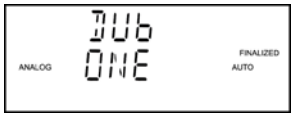
1) With Deck B as the active deck, press **Setting** once and turn the **Function Jog Dial** clockwise or anti-clockwise to choose MP3 Format.

2) Press **Select** to confirm your selection.

3) Press **A/B** to select Deck A as the active deck and use the **Function Jog Dial** to choose the track that you want to dub.



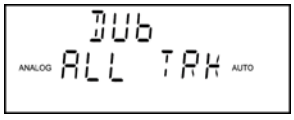
4) Press **Dub** to choose Dub One mode. This will record only the track that you have selected in Deck A to the last album of the MP3 disc in Deck B.



If you do not wish to record into the existing last album of Deck B, you can choose to create a new album. This function is applicable only with the remote control. (Refer to Pg 30)

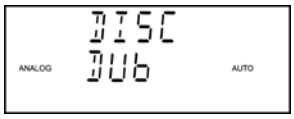
5) You can also choose to record all the tracks in one album. To Dub Album, turn the **Function Jog Dial**. This will create a new album in the MP3 disc in Deck B.

6) The third option is to record all the tracks in all the albums in Deck A to just one album in Deck B. To Dub All Tracks, turn the **Function Jog Dial**. This will create a new album in the MP3 disc in Deck B.

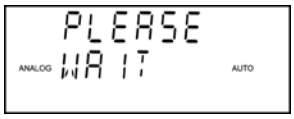


During recording, you can choose to select the current track as the last track to be recorded. This is applicable only with the remote control. (Refer to Pg 30)

7) Lastly, you can also do a disc dub. To perform a Disc Dub, use the **Function Jog Dial**. The disc in Deck B must be a blank disc.



8) Press **Select** to start dubbing. The TX3300 will select Deck B as the active deck, and after doing a copyright check, it will start recording at 1x.



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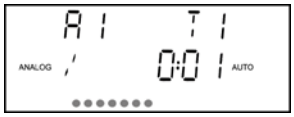
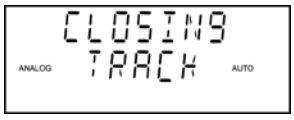


For recording at 1x, you will be able to listen to the MP3 track while it is being recorded.

9) Once the recording has finished, the TX3300 will stop automatically and update the disc.



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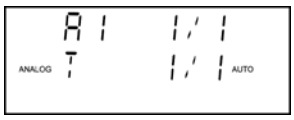
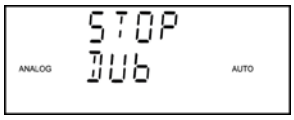


10) You can stop the recording anytime by pressing **Stop** to halt the dubbing process. The TX3300 will stop recording and proceed to close the current track that is being recorded.



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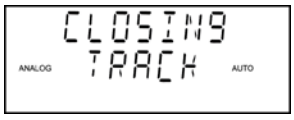
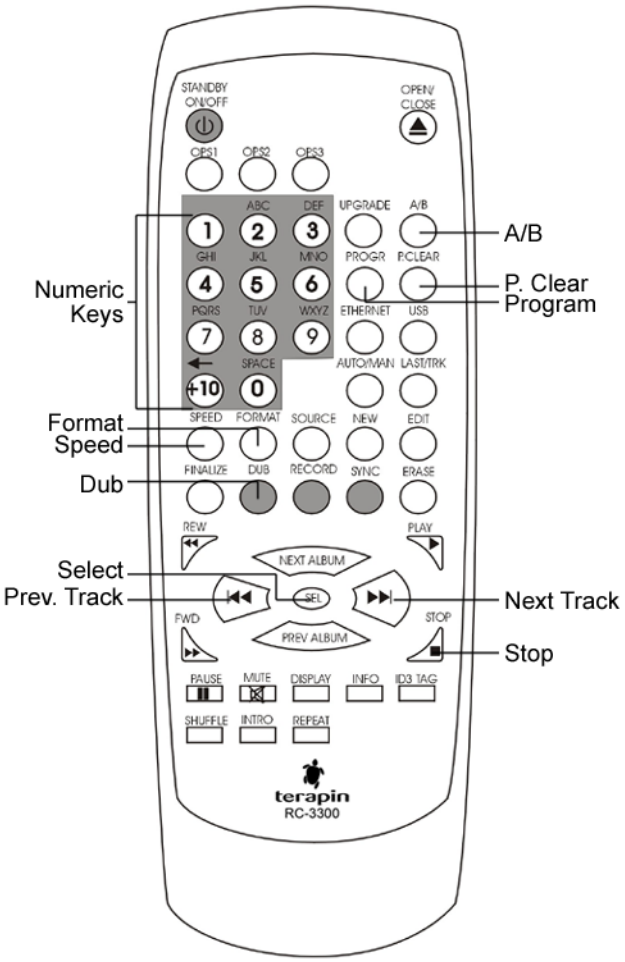
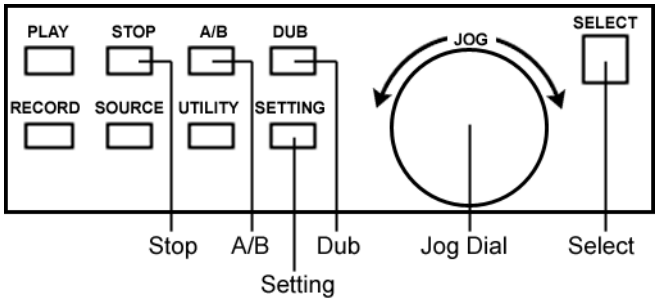


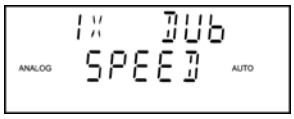
After stopping, you will be able to play the recorded track up to the point where you pressed **Stop**.

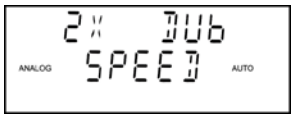
Quick Reference

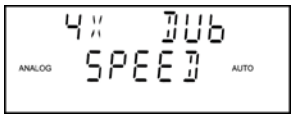




To change the dubbing speed, press **Setting** and turn the **Function Jog Dial**. To confirm your selection, press **Select**.





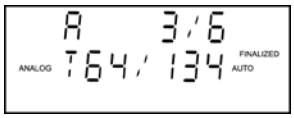


Remote Control:

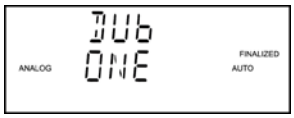
1) With Deck B as the active deck, press **Format** twice to choose MP3 Format.

2) Press **Sel** to confirm your selection.

3) Press **A/B** to select Deck A as the active deck and use the **Numeric Keys**, ⏮ or ⏭ to choose the track that you want to dub.



4) Press **Dub** to choose Dub One mode.



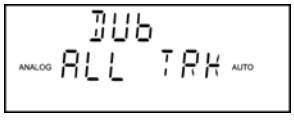
5) Instead of recording into the existing last album in Deck B, you can choose to create a new album. To create one, press **New**.

6) Press **Sel** to confirm the creation of a new album.

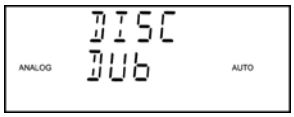
7) To cancel, press **Stop**.

8) To Dub Album, press **Dub** twice.

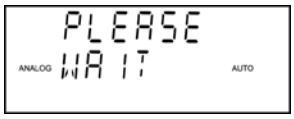
9) To Dub All Tracks, press **Dub** three times.



10) To perform a Disc Dub, press **Dub** four times.



11) Press **Sel** to start dubbing. The TX3300 will select Deck B as the active deck and start recording at 1x.



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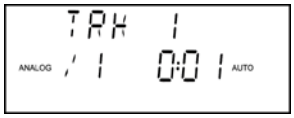
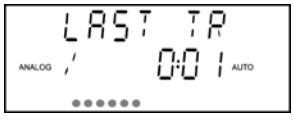


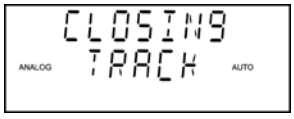
For recording at 1x, you will be able to listen to the Audio track while it is being recorded.

12) During recording in Dub Album mode and Dub All Tracks mode, you can choose to select the current track as the last track to be recorded. To do so, press **Last Track**.

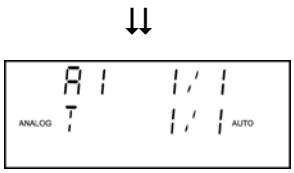


The TX3300 will stop recording after the current track is finished.

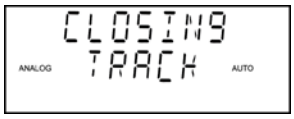
13) Once the recording has finished, the TX3300 will stop automatically and update the disc.



⇊

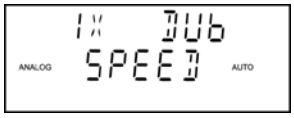


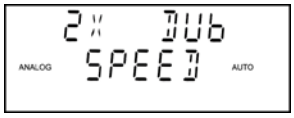
14) You can stop the recording anytime by pressing **Stop** to halt the dubbing process. The TX3300 will stop recording and proceed to close the current track that is being recorded.



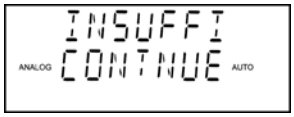
After stopping, you will be able to play the recorded track up to the point where you pressed **Stop**.

15) To change the dubbing speed, press **Speed** and to confirm your selection, press **Sel**.





Note:
If there is insufficient space on the disc, you will be prompted whether you want to continue recording.

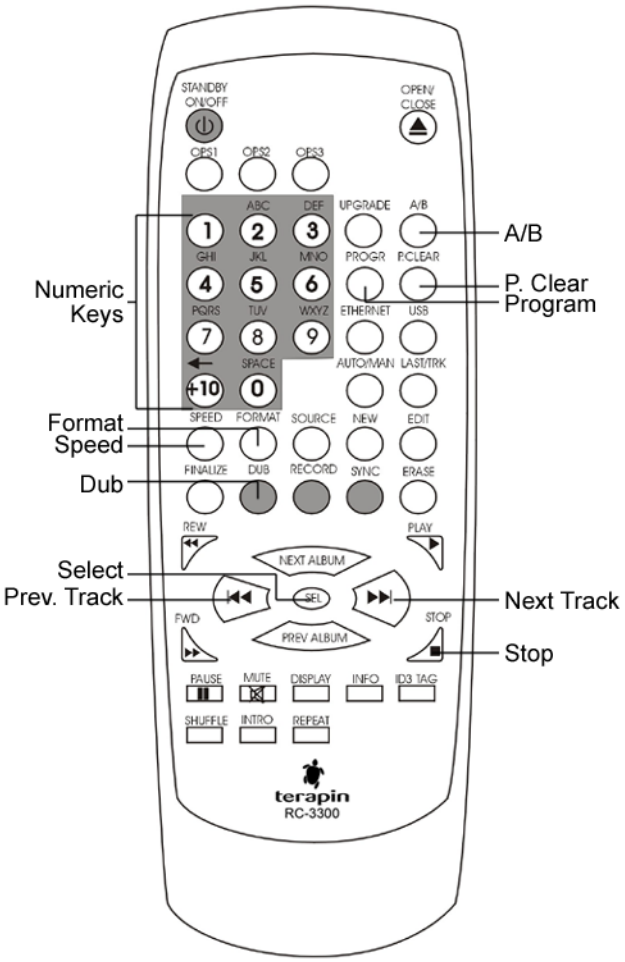


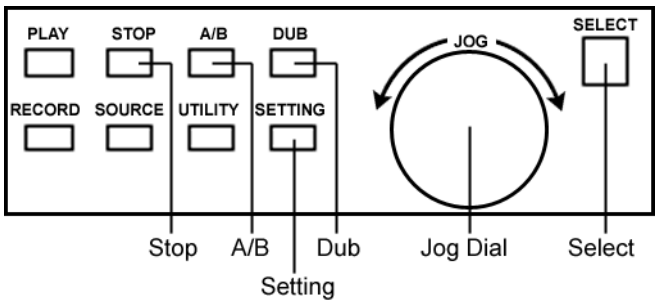
*To continue recording, press **Select** (or **Sel** for Remote Control). The TX3300 will record until the disc in the recording deck is full.*

*If you did not press **Select** (or **Sel** for Remote Control) within 5 seconds, the TX3300 will cancel the dubbing function due to insufficient space.*

Please note that the maximum number of MP3 tracks per album is 50, the maximum number of albums is 20 and you cannot create an album within an album.

Quick Reference





Audio CD track to MP3 track

This function allows you to record an Audio CD track from Deck A into a MP3 track onto a CDR or CDRW in Deck B. For this recording mode, only 1x recording speed is possible.

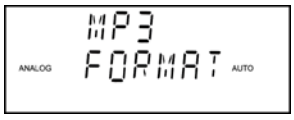
First, insert an Audio CD into Deck A and a blank CDR or CDRW disc into Deck B.

Audio CD

Blank CDR

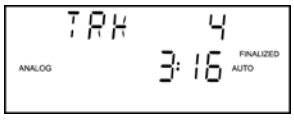
Front Panel Control:

1) With Deck B as the active deck, press **Setting** once and turn the **Function Jog Dial** clockwise or anti-clockwise to choose MP3 Format.

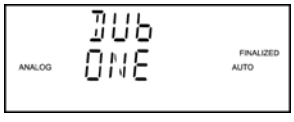


2) Press **Select** to confirm your selection.

3) Press **A/B** to select Deck A as the active deck and use the **Function Jog Dial** to choose the track that you want to dub.

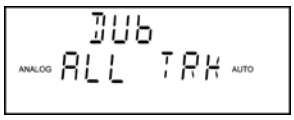


4) Press **Dub** to choose Dub One mode. This will record the selected Audio CD track to a MP3 track in the last album of Deck B.

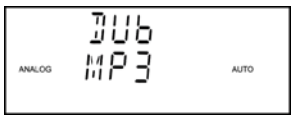


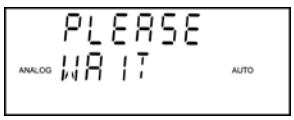
If you do not wish to record into the existing last album of Deck B, you can choose to create a new album. This function is applicable only with the remote control.

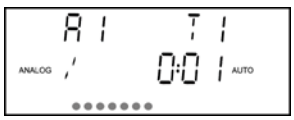
5) Instead of dubbing just one track, you can also choose to dub all the tracks as well. To go into Dub All Tracks mode, press **Dub** and turn the **Function Jog Dial** to select Dub All Tracks.



6) Press **Select** to start dubbing. The TX3300 will select Deck B as the active deck, and after doing a copyright check, it will start recording at 1x.





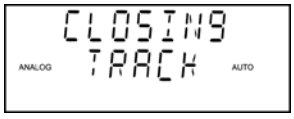


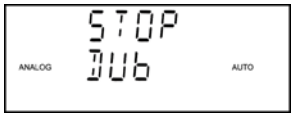
The new MP3 track that is recorded will be added to the last album of the MP3 disc in Deck B. No new albums will be created.

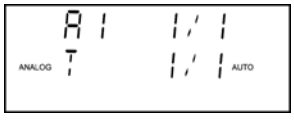
For recording at 1x, you will be able to listen to the MP3 track while it is being recorded.

7) During recording, you can choose to select the current track as the last track to be recorded. This is applicable only with the remote control.

Once the recording has finished, the TX3300 will stop automatically and update the disc.







8) You can stop the recording anytime by pressing **Stop** to halt the dubbing process. The TX3300 will stop recording and proceed to close the current track that is being recorded.

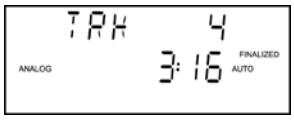
After stopping, you will be able to play the recorded track up to the point where you pressed **Stop**.

Remote Control:

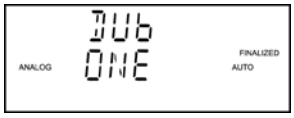
1) With Deck B as the active deck, press **Format** twice to choose MP3 Format.

2) Press **Sel** to confirm your selection.

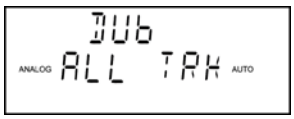
3) Press **A/B** to select Deck A as the active deck and use the **Numeric Keys**, ⏮ or ⏭ to choose the track that you want to dub.



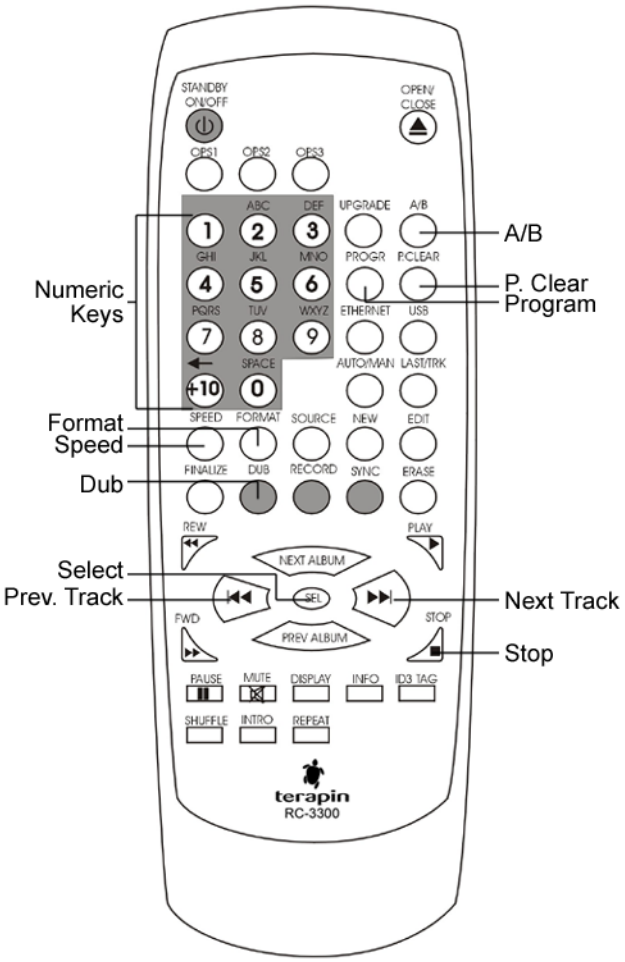
4) Press **Dub** to choose Dub One mode.

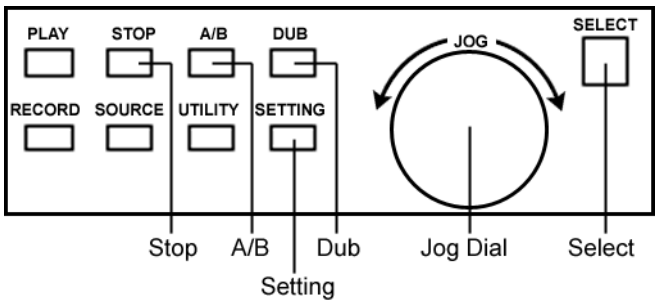


5) Press **Dub** twice to choose Dub All Tracks.



Quick Reference



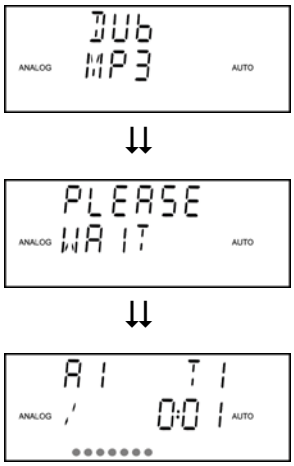


6) Instead of recording into the existing last album in Deck B, you can choose to create a new album. To create one, press **New**.

7) Press **Sel** to confirm the creation of a new album.

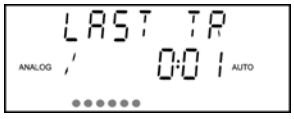
8) To cancel, press **Stop**.

9) Press **Sel** to start dubbing. The TX3300 will select Deck B as the active deck, and after doing a copyright check, it will start recording at 1x.



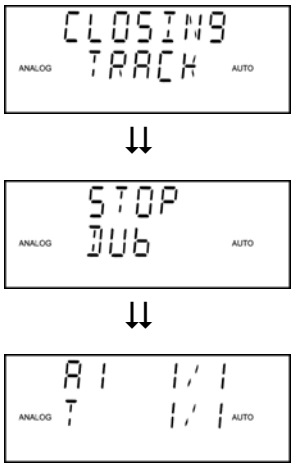
The new MP3 track that is recorded will be added to the last album of the MP3 disc in Deck B. No new albums will be created.

10) During recording in Dub Album mode and Dub All Tracks mode, you can choose to select the current track as the last track to be recorded. To do so, press **Last Track**.



The TX3300 will stop recording after the current track is finished.

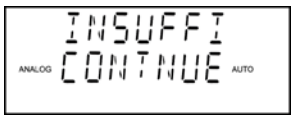
11) Once the recording has finished, the TX3300 will stop automatically and update the disc.



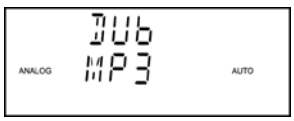
12) You can stop the recording anytime by pressing **Stop** to halt the dubbing process. The TX3300 will stop recording and proceed to close the current track that is being recorded.

After stopping, you will be able to play the recorded track up to the point where you pressed **Stop**.

Note:
If there is insufficient space on the disc, you will be prompted whether you want to continue recording.



*To continue recording, press **Select** (or **Sel** for Remote Control). The TX3300 will record until the disc in the recording deck is full.*



*If you did not press **Select** (or **Sel** for Remote Control) within 5 seconds, the TX3300 will cancel the dubbing function due to insufficient space.*

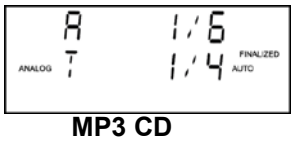
Please note that the maximum number of MP3 tracks per album is 50, the maximum number of albums is 20 and you cannot create an album within an album.

MP3 track to Audio CD track

Quick Reference

This function allows you to record a MP3 track from Deck A into an Audio CD track onto a CDR in Deck B. For this recording mode, CDRWs are not supported and only 1x recording speed is possible.

First, insert a MP3 disc into Deck A and a blank CDR disc into Deck B.

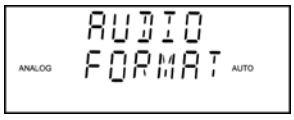


MP3 CD

Blank CDR

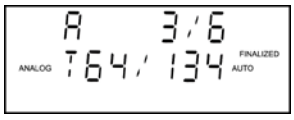
Front Panel Control:

1) With Deck B as the active deck, press **Setting** once and turn the **Function Jog Dial** to choose Audio Format.

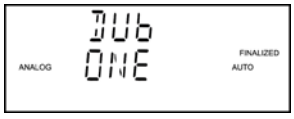


2) Press **Select** to confirm your selection.

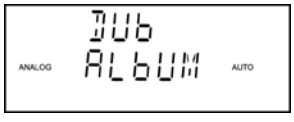
3) Press **A/B** to select Deck A as the active deck and use the **Function Jog Dial** to choose the track that you want to dub.

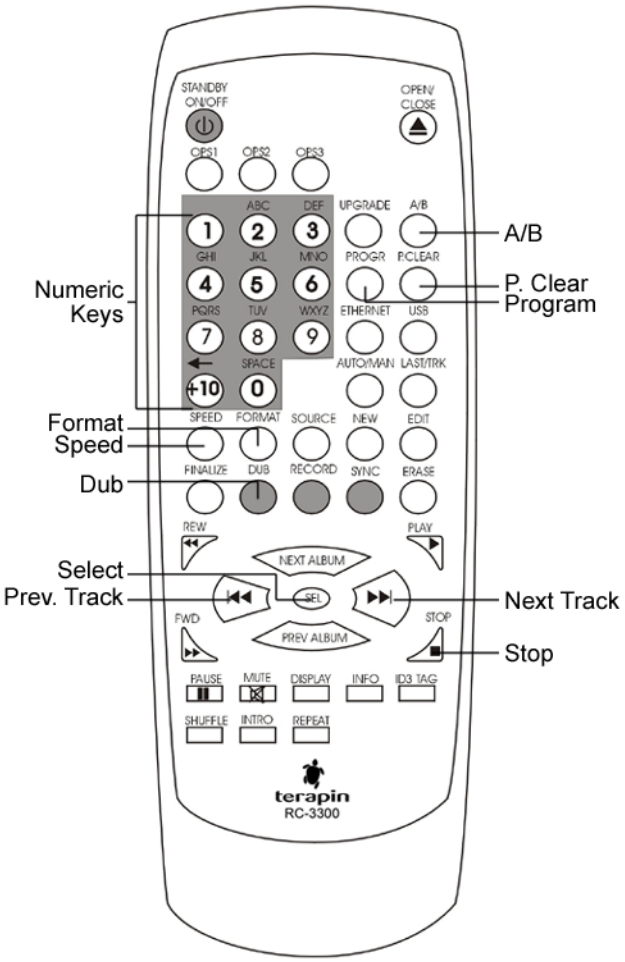


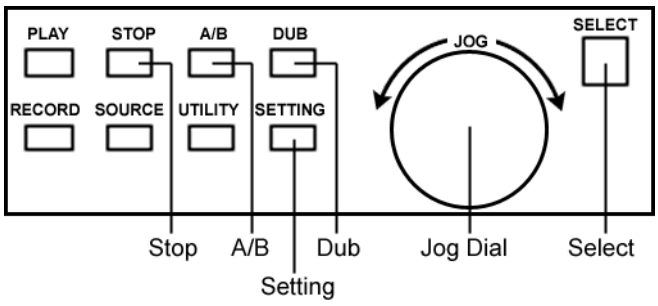
4) Press **Dub** to choose Dub One mode. This will record only the track that you have selected in Deck A.



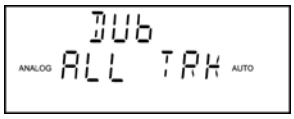
5) You can also choose to record all the tracks from one particular album. To Dub Album, turn the **Function Jog Dial**.





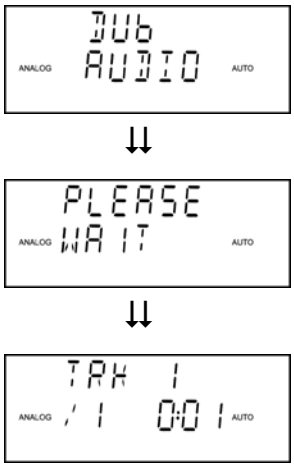


6) The third option is to record all the tracks in all the albums in Deck A to Deck B. To Dub All Tracks, turn the **Function Jog Dial**.



Before selecting this option, please make sure that the total playing time of the MP3 album is not more than the available space on the destination disc.

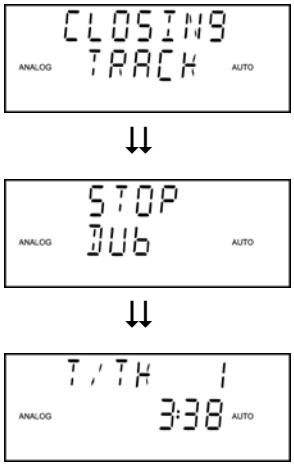
7) Press **Select** to start dubbing. The TX3300 will select Deck B as the active deck, and after doing a copyright check, it will start recording at 1x.



For recording at 1x, you will be able to listen to the Audio track while it is being recorded.

During recording, you can choose to select the current track as the last track to be recorded. This is applicable only with the remote control. (Refer to Pg 37)

8) Once the recording has finished, the TX3300 will stop automatically and update the disc.



9) You can stop the recording anytime to halt the dubbing process. The TX3300 will stop recording and proceed to close the current track that is being recorded.

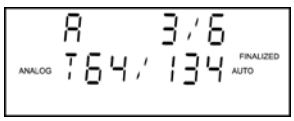
After stopping, you will be able to play the recorded track up to the point where you pressed **Stop**.

Remote Control:

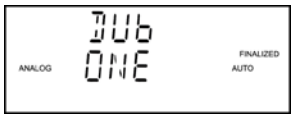
1) With Deck B as the active deck, press **Format** once to choose Audio Format.

2) Press **Sel** to confirm your selection.

3) Press **A/B** to select Deck A as the active deck and use the **Numeric Keys**, ⏮ or ⏭ to choose the track that you want to dub.

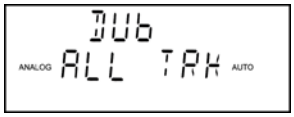


Press **Dub** to choose Dub One mode.

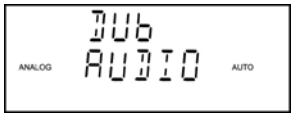


To Dub Album, press **Dub** twice.

4) To Dub All Tracks, press **Dub** three times.



5) Press **Sel** to start dubbing. The TX3300 will select Deck B as the active deck and start recording at 1x.



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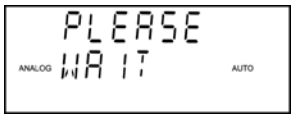
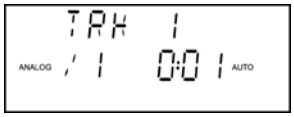
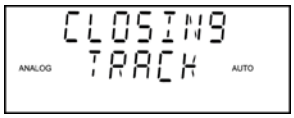


⇊

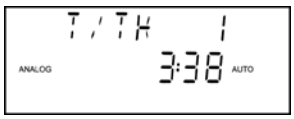


6) Once the recording has finished, the TX3300 will stop automatically and update the disc.

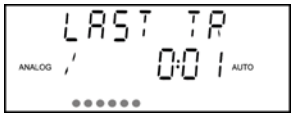


⇊

⇊

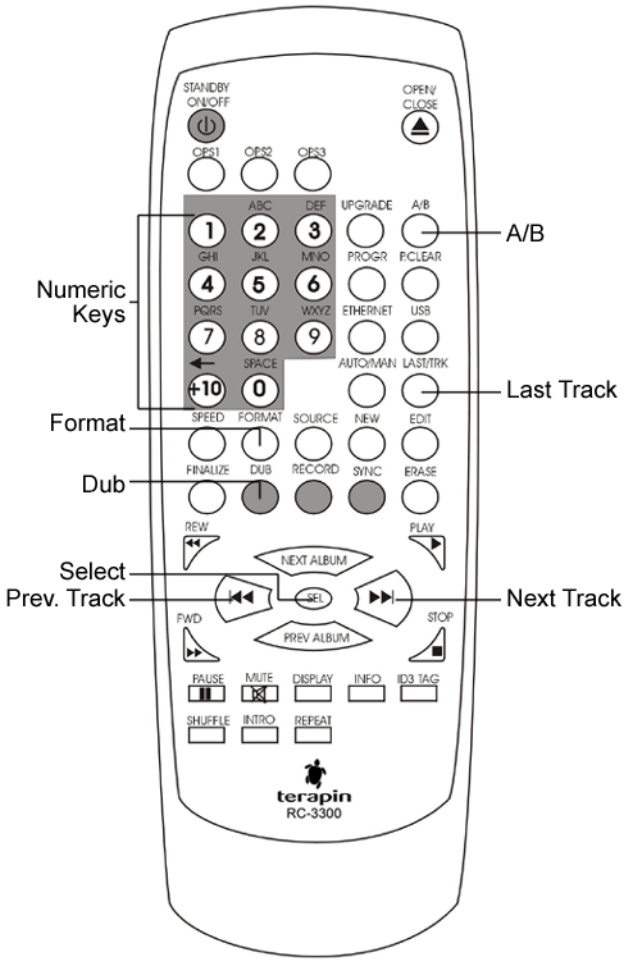


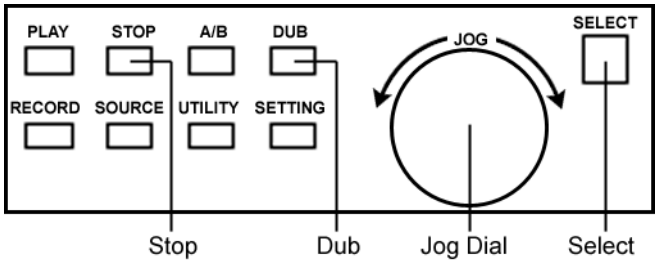
7) During recording in Dub Album mode and Dub All Tracks mode, you can choose to select the current track as the last track to be recorded. To do so, press **Last Track**.



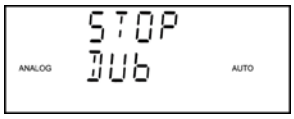
The TX3300 will stop recording after the current track is finished.

Quick Reference

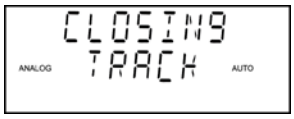




8) You can stop the recording anytime to halt the dubbing process. The TX3300 will stop recording and close the current track that is being recorded.

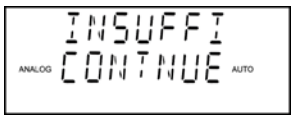


⇊

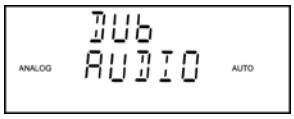


After stopping, you will be able to play the recorded track up to the point where you pressed **Stop**.

Note:
If there is insufficient space on the disc, you will be prompted whether you want to continue recording.



*To continue recording, press **Select** (or **Sel** for Remote Control). The TX3300 will record until the disc in the recording deck is full.*



*If you did not press **Select** (or **Sel** for Remote Control) within 5 seconds, the TX3300 will cancel the dubbing function due to insufficient space.*

Program Dub

(Remote Control only)

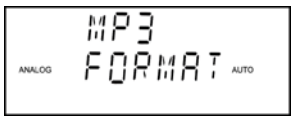
This function allows you to program a list of Audio CD tracks or MP3 tracks to be recorded into an Audio CD or a MP3 CD.

1) Insert a blank CDR or CDRW disc into Deck B.

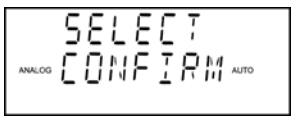
Blank CDR

Blank CDRW

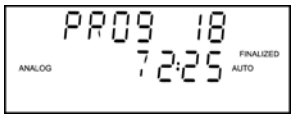
2) Press **Format** once to choose Audio Format and twice to choose MP3 format.



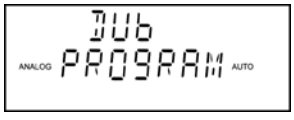
3) Press **Sel** to confirm your selection.



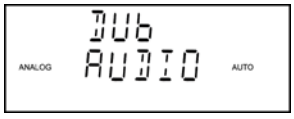
4) Insert the source disc into Deck A. You would first need to program a playlist of the tracks this disc to be recorded into the blank disc in Deck B. Please refer to Page 20 for the instructions.



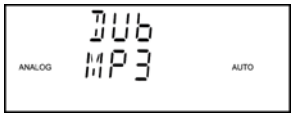
5) Once you have finished the programming, press **Dub** to select Dub Program.



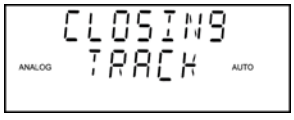
6) Press **Sel** to start recording. If you are recording an Audio CD, the following display window will appear.



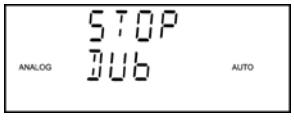
If you are recording a MP3 CD, the following display window will appear.



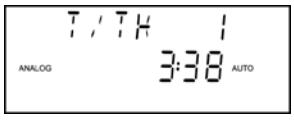
7) Once the recording has finished, the TX3300 will stop automatically and update the disc.



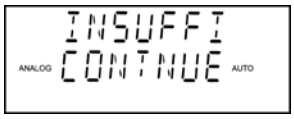
⇊



⇊



Note:
If there is insufficient space on the disc, you will be prompted whether you want to continue recording.



*To continue recording, press **Select** (or **Sel** for Remote Control). The TX3300 will record until the disc in the recording deck is full.*

Audio CD

MP3 CD

*If you did not press **Select** (or **Sel** for Remote Control) within 5 seconds, the TX3300 will cancel the dubbing function due to insufficient space.*

For MP3 CDs, the maximum number of MP3 tracks per album is 50, the maximum number of albums is 20 and you cannot create an album within an album.

Disc Dub

This function allows you to duplicate an Audio disc, a MP3 disc or a Data disc from Deck A to a blank CDR or CDRW in Deck B.

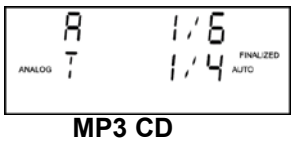
1) Insert a blank CDR or CDRW disc into Deck B.

Blank CDR

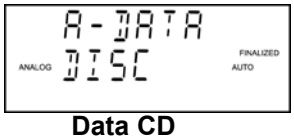
Blank CDRW

2) Insert the Audio disc, MP3 disc or Data disc that you want to dub into Deck A.

Audio CD



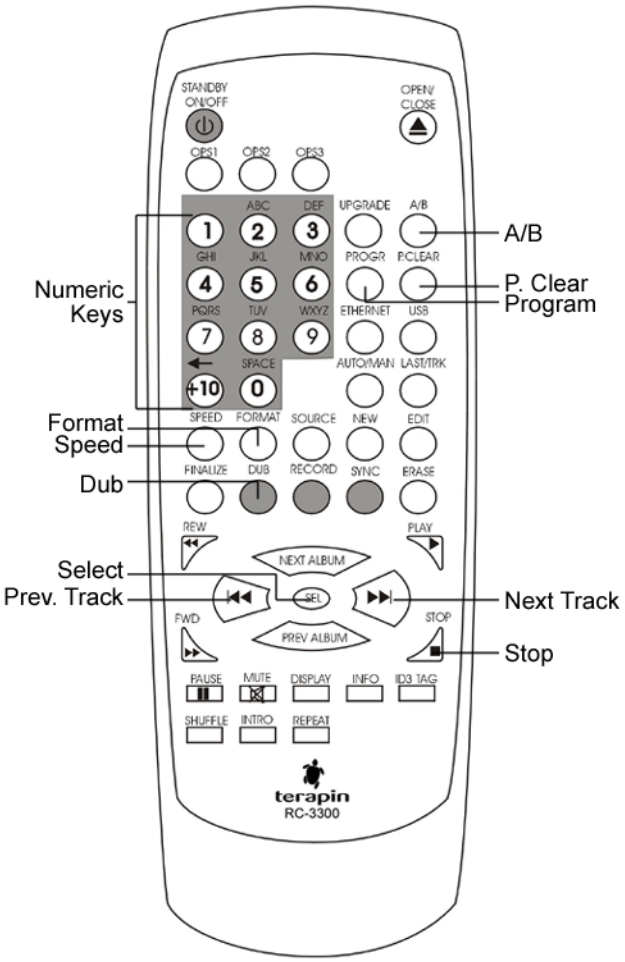
MP3 CD



Data CD

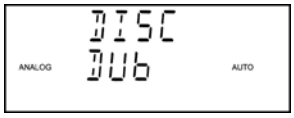
terapin

Quick Reference

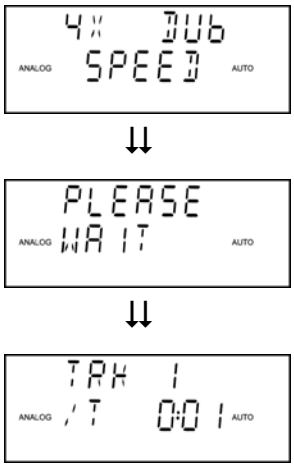


Front Panel Control:

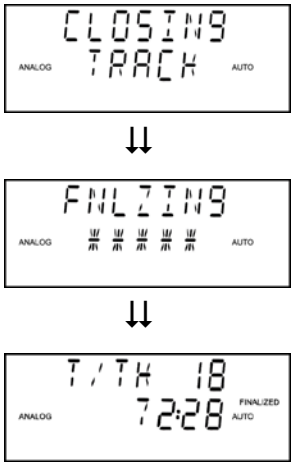
1) Press **Dub** and turn the **Function Jog Dial** to select Disc Dub.



2) Press **Select** to start recording.

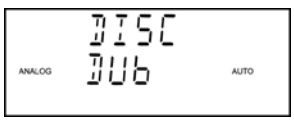


3) The TX3300 will start recording at a speed of 4x. Once the recording is done, the disc will be finalized automatically.



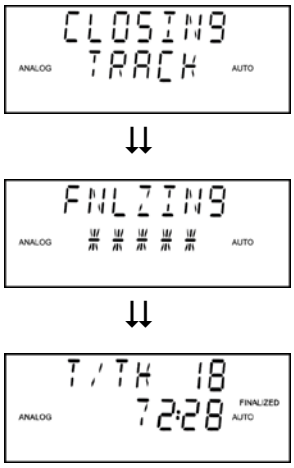
Remote Control:

1) Press **Dub** to select Disc Dub.



2) Press **Sel** to start recording.

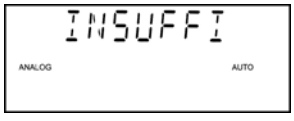
3) The TX3300 will start recording at a speed of 4x. Once the recording is done, the disc will be finalized automatically.



Note:
*Do not press **Stop** during the recording. This will result in an incomplete disc and the CD may not be able to be used, even if the disc is finalized separately.*

The TX3300 uses on-the-fly recording when doing a disc dub. Hence, if the disc in Deck A is dirty or defective, the disc dub may not be successful. As such, please be sure to use original discs that are in good condition.

If there is insufficient space on the blank disc, you will not be able to continue recording.



Please insert another blank disc with a higher capacity.

Editing of MP3 titles

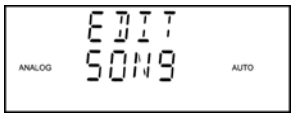
(Remote Control only)

Quick Reference

When you record MP3 tracks, instead of naming it Track01 of Album01, with the default disc name of TOX MP3, you can personalize the titles. The TX3300 allows you to rename the Disc title, the Album title and the Track title.

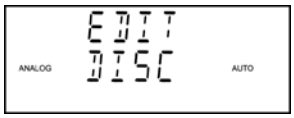
You will be able to edit the titles only for a MP3 disc, and please ensure that your CDR or CDRW has not been finalized.

1) Press **Edit** once to rename the Song Title.

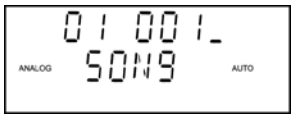


2) Press **Edit** twice to rename the Album Title.

3) Press **Edit** thrice to rename the Disc Title.



4) Press **Sel** to start editing.



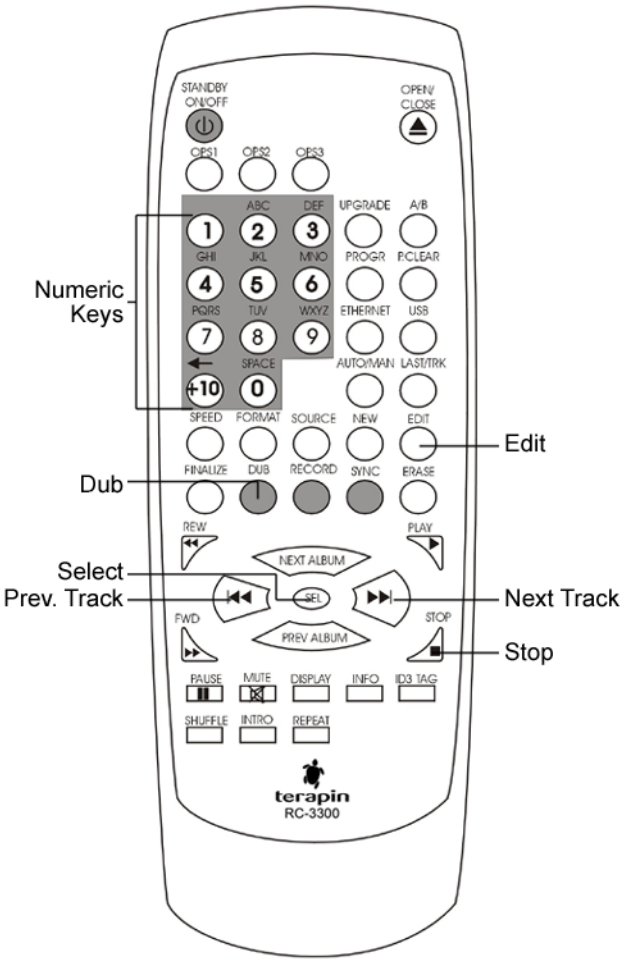
5) The cursor will blink on the last character of the title. To insert a character, use the **Numeric Keys**. Each number corresponds with the set of alphabets above it, and to insert a particular alphabet, press the corresponding number.

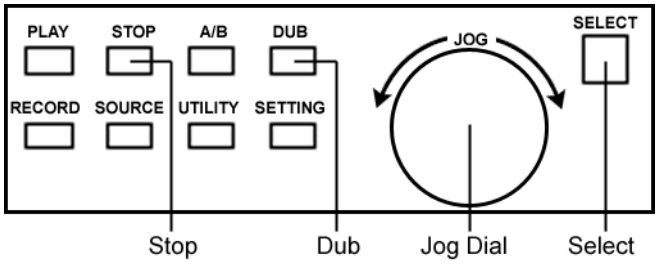
   For example, if you want to insert the character 'S', press **7** four times. If you want to insert the number 7, press **7** five times.

   To delete a character, press **+10**. To move the cursor to the intended location, or if the next character belongs to the same key, press ⏮ or ⏭.

6) After you have done the editing, press **Sel** to save the changes or press **Stop** to exit without saving.

Note:
The maximum number of characters, including spaces, for the Disc, Album and Song title is 32.





Recording Functions (External)

Besides recording from Deck A to Deck B, the TX3300 is also able to record from external sources such as DVD players, VCD players, stereo Hi-Fi systems and televisions, among others.

Important Information

Recording from external sources will always be in real time of 1x speed, and higher recording speeds of 2x and 4x are not applicable. This is because the TX3300 need to process and convert the audio signal to your desired format (MP3 or Audio).

If the recording is to be done in Audio CD format, you will need to use a CDR. For MP3 format, you can use both CDRs and CDRWs.

When recording from an external source, if you are recording more than one track in one session, there are 2 modes of recording - Auto and Manual.

Auto Mode

Manual Mode

Please note that not all players have the digital information necessary for digital recording or to perform a CD Sync, and it is advisable to check the manual of your player first before continuing.

---

1 Auto Mode

When recording from an external source in Auto Mode, the increase in tracks is automatic. Each time there is a 3-second silence, the current track will be closed and the TX3300 will start recording a new track.

For example, if you have 5 tracks in the external source, each time there is a 3-second silence between the tracks, the TX3300 will automatically create a new track without the need for you to monitor it.

If there is a 20-second silence, the recording will be stopped automatically.

---

2 Manual Mode

When recording from an external source, when you are in Manual mode, you will need to increase tracks manually whenever you want to increase a track.

For example, if you are recording 5 tracks from an external source, everytime it reaches the end of a track, you will need to press ⏭ to create a new track.

Note:
A CDR or CDRW can only be in one format. You will not be able to have both Audio tracks and MP3 tracks in one single CD, and you will need to have separate CDs for each format.

At the same time, if a non-finalised disc has been recorded using other devices other than the TX3300, such as a PC, you will not be able to add any more Audio or MP3 tracks to it.

Recording from External Analog Source

This function allows you to record from an external analog source such as a cassette player, stereo Hi-Fi systems, televisions and etc. Please make sure that all the cables are connected properly before continuing.

Insert a blank or non-finalized disc into Deck B.

1 Auto Record Mode

Front Panel Control:

1) Press **Setting** and turn the **Function Jog Dial** to select either Audio Format or MP3 Format.

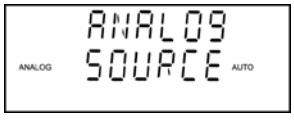
Audio Format

MP3 Format

2) Press **Select** to confirm your selection.

(Examples shown below are for MP3 Format only. There is no difference for Audio Format.)

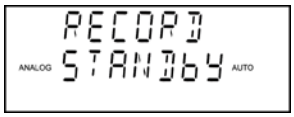
3) Press **Source** and turn the **Function Jog Dial** to select Analog Source.



4) Press **Select** to confirm. The Analog indicator will now be lighted.

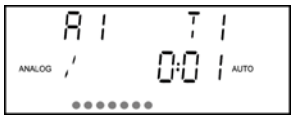
5) Press **Record** and turn the **Function Jog Dial** to select Auto Record.

6) Press **Select** to confirm, the TX3300 will go into Record Standby mode. Wait for the drive to be ready.



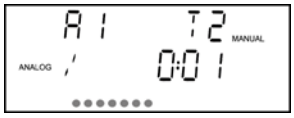
⇊

7) Once the drive is ready, press Play on your external source. The TX3300, upon detecting any audio signal, will start recording automatically.



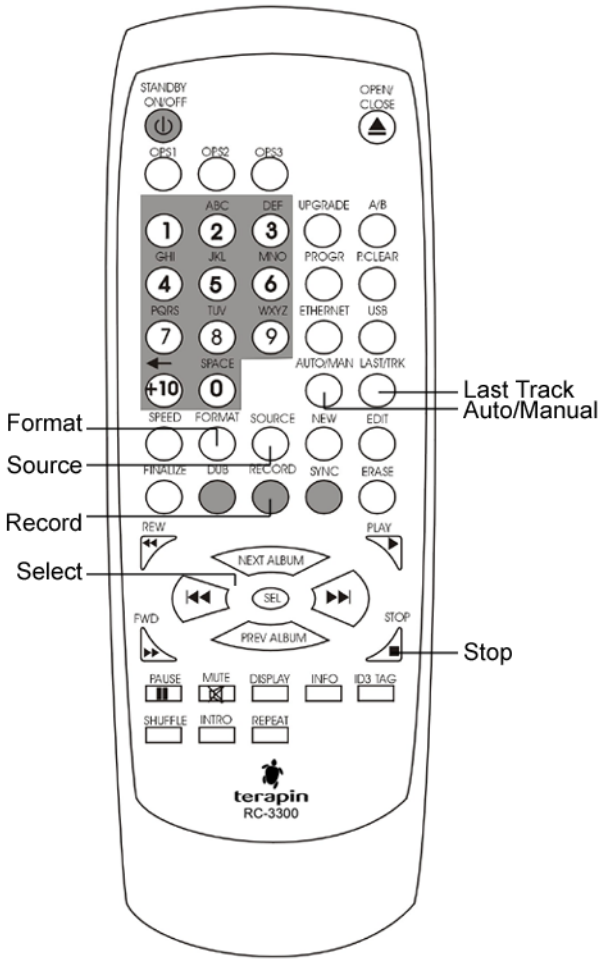
You can adjust the recording volume by turning the **Recording Level** control.

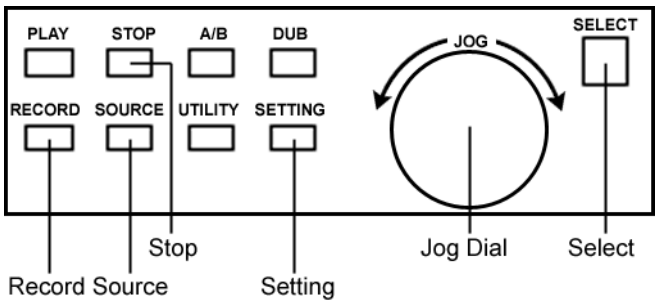
Thereafter, for every 3-second silence, there will be a new track added.

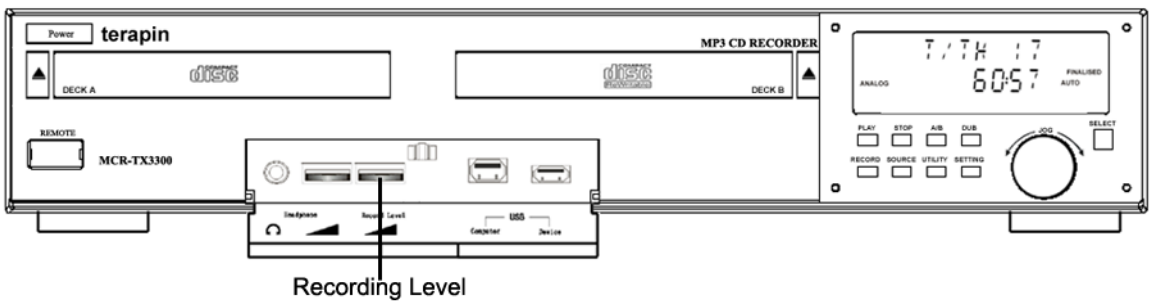


During recording, you can select the current track as the last to be recorded. This option is available only with the remote control.

Quick Reference

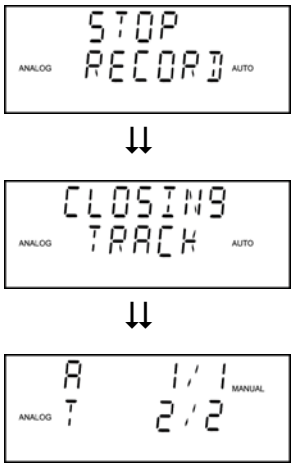






If there is a 20-second silence, the recording session will automatically stop.

8) To stop recording at any time, press **Stop**.



Remote Control:

1) Press **Format** to select either Audio Format or MP3 Format.

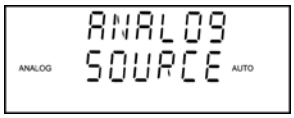
Audio Format

MP3 Format

2) Press **Sel** to confirm your selection.

(Examples shown below are for MP3 Format only. There is no difference for Audio Format.)

3) Press **Source** and to select Analog Source.



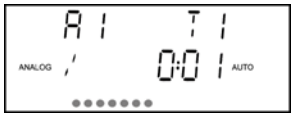
4) Press **Sel** to confirm. The Analog indicator will now be lighted.

5) If the TX3300 is not in Auto mode, press **Auto/Man** to select Auto Record mode.

6) Press **Record** to select Auto Record.

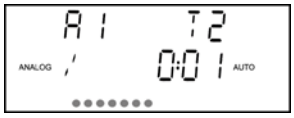
7) Press **Sel** to confirm. The TX3300 will go into Record Standby mode and please wait for the drive to be ready.

8) Once the drive is ready, press Play on your external source. The TX3300, upon detecting any audio signal, will start recording automatically.

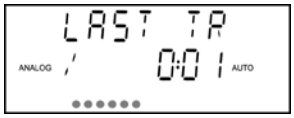


You can adjust the recording volume by turning the **Recording Level** control.

Thereafter, for every 3-second silence, there will be a new track added.

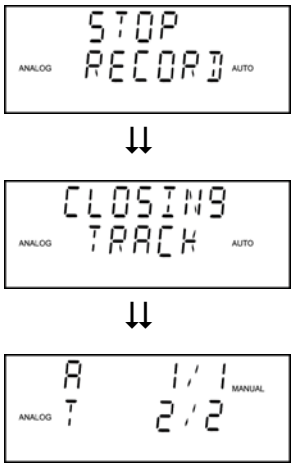


During recording, you can press **Last Track** to select the current track as the last to be recorded.



If there is a 20-second silence, the recording session will automatically stop.

9) To stop recording at any time, press **Stop**.



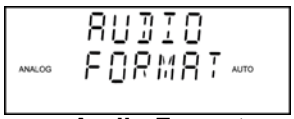
Note:
If there is insufficient space for the recording, the TX3300 will record until the disc is full and stop recording.

---

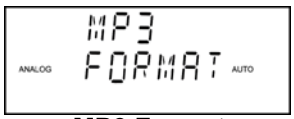
2 Manual Record Mode

Front Panel Control:

1) Press **Setting** and turn the **Function Jog Dial** to select either Audio Format or MP3 Format.

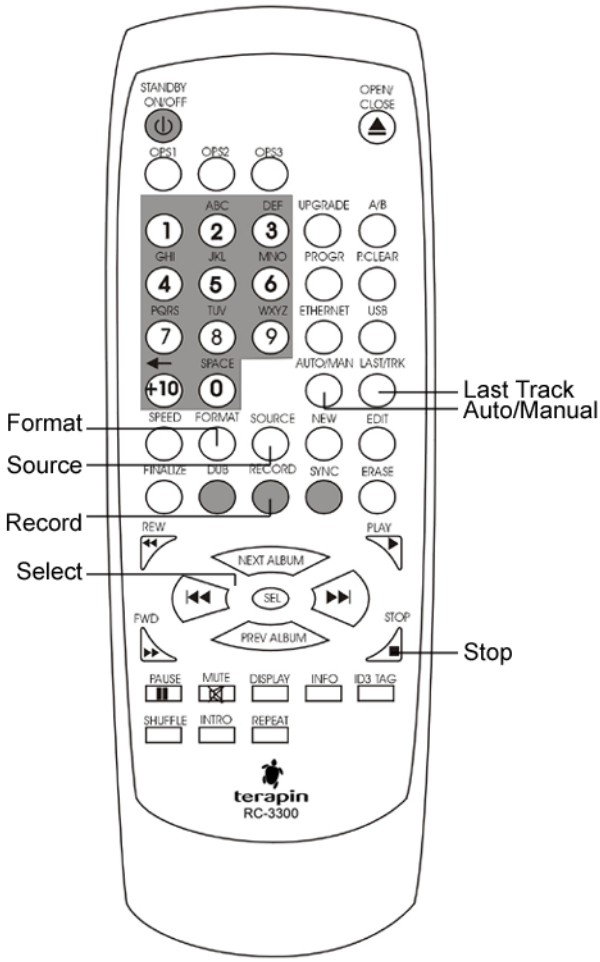


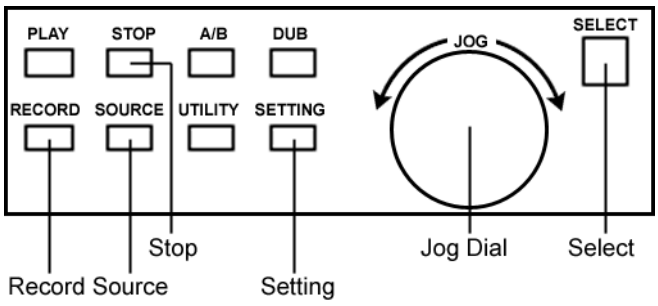
Audio Format

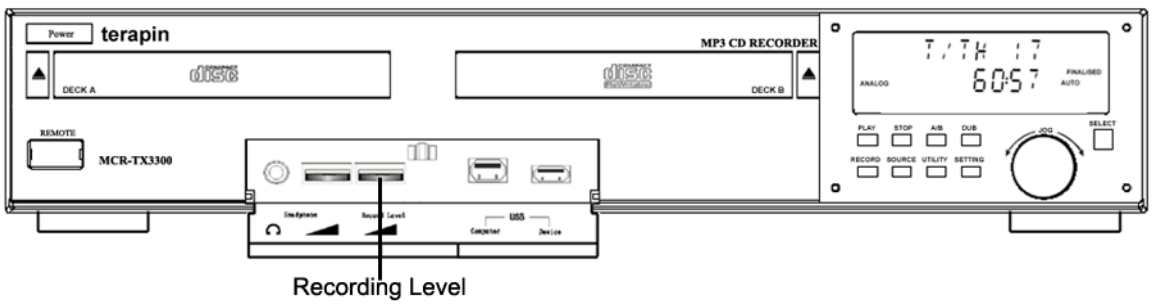


MP3 Format

Quick Reference



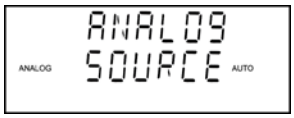




2) Press **Select** to confirm your selection.

(Examples shown below are for MP3 Format only. There is no difference for Audio Format.)

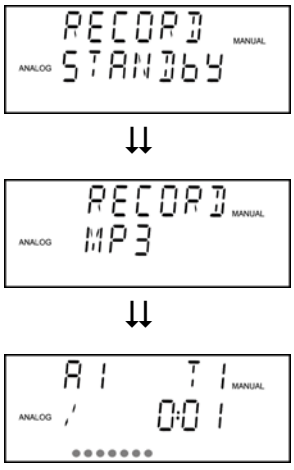
3) Press **Source** and turn the **Function Jog Dial** to select Analog Source.



4) Press **Select** to confirm. The Analog indicator will now be lighted.

5) Press **Record** and turn the **Function Jog Dial** to select Manual Record.

In Manual Record mode, the TX3300 will start recording once the drive is ready, regardless of whether there is any audio signal. Hence, you will need to play your external source before pressing **Select**.

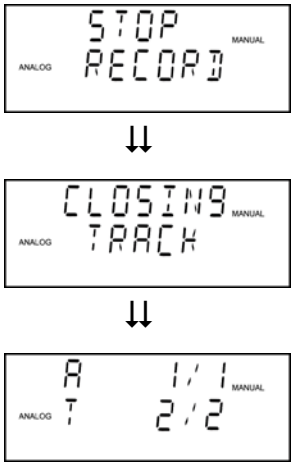


You can adjust the recording volume by turning the **Recording Level** control.

To increase a new track, you will need to use the remote control.

To pause during recording, you will need to use the remote control.

6) To stop recording, press **Stop**.



Remote Control:

1) Press **Format** to select either Audio Format or MP3 Format.

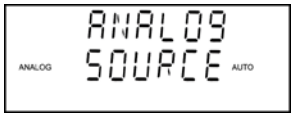
Audio Format

MP3 Format

2) Press **Sel** to confirm your selection.

(Examples shown below are for MP3 Format only. There is no difference for Audio Format.)

3) Press **Source** to select Analog Source.



4) Press **Sel** to confirm. The Analog indicator will now be lighted.

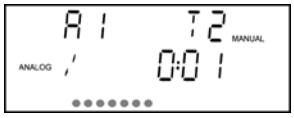
5) If the TX3300 is not in Manual mode, press **Auto/Man** to select Manual Record mode.

6) Press **Record**, followed by **Sel** to start recording.

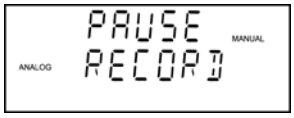
In Manual Record mode, the TX3300 will start recording once the drive is ready, regardless of whether there is any audio signal. Hence, you will need to play your external source before pressing **Record**.

You can adjust the recording volume by turning the **Recording Level** control.

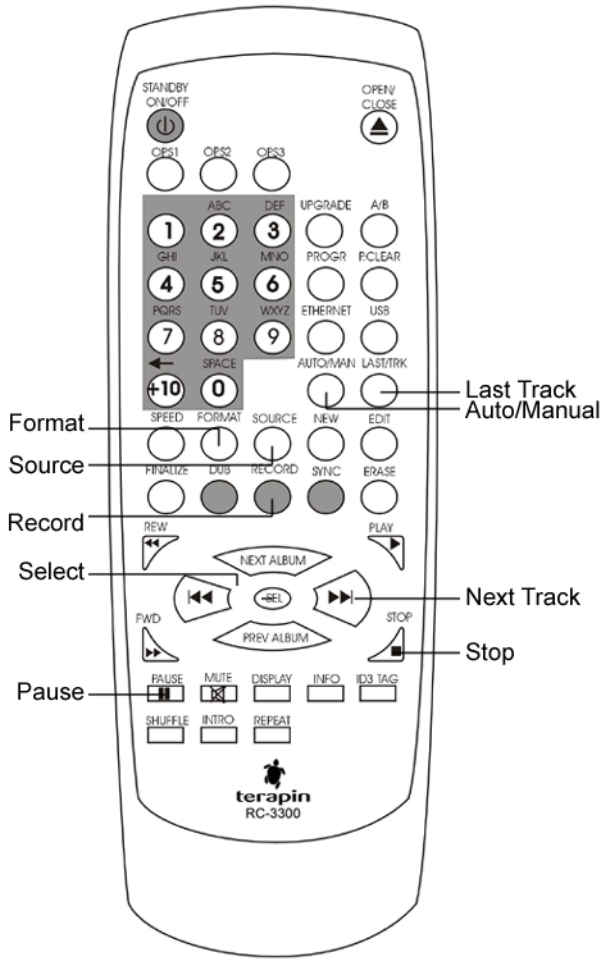
7) To increase a new track, press ⏭. The current track will be closed and it will start recording a new track.

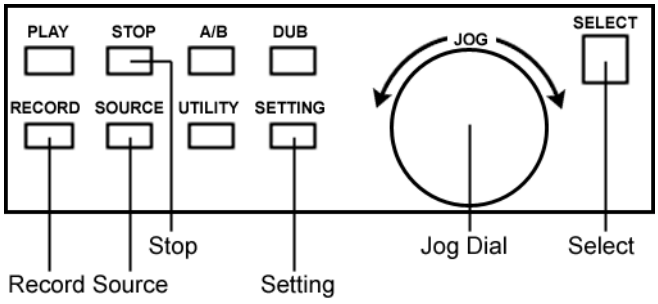


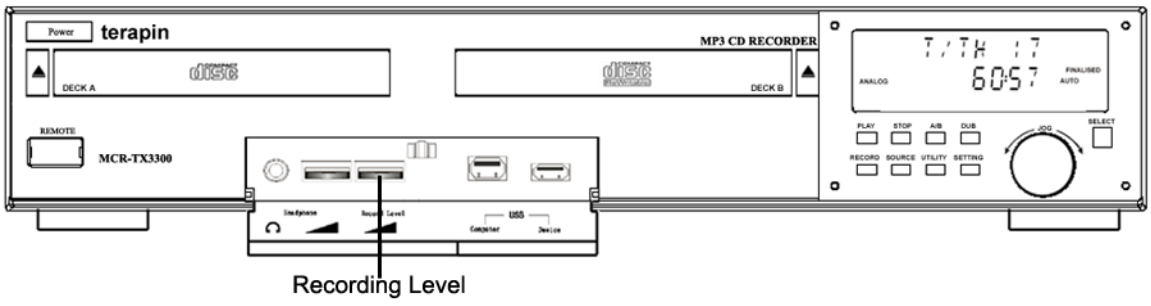
8) You can press **Pause** during recording to stop the recording temporarily.



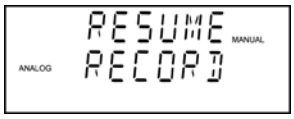
Quick Reference





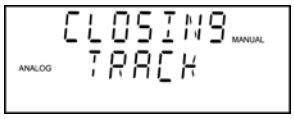


9) To resume recording, press **Pause** again. This will also create a new track.

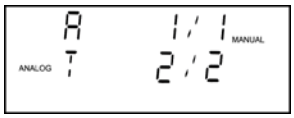


10) To stop recording, press **Stop**.

⇊



⇊



Note:
If there is insufficient space for the recording, the TX3300 will record until the disc is full and stop recording.

For MP3 CDs, the maximum number of MP3 tracks per album is 50, the maximum number of albums is 20 and you cannot create an album within an album.

Recording from External Coaxial or Optical Source

This function allows you to record from an external Coaxial (known as Digital in some regions) or Optical source such as DVD players, stereo Hi-Fi systems and etc.

Please make sure that all cables are connected properly before continuing.

First, insert a blank or non-finalized disc into Deck B.

1 Manual Record Mode

Front Panel Control:

1) Press **Setting** and turn the **Function Jog Dial** to select either Audio Format or MP3 Format.

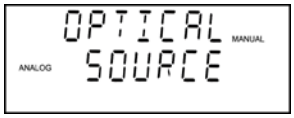
Audio Format

MP3 Format

2) Press **Select** to confirm your selection.

(Examples shown here are for MP3 Format only. There is no difference for Audio Format.)

3) Press **Source** and turn the **Function Jog Dial** to select Optical Source.

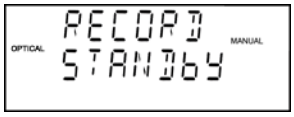


(Examples shown here are for Optical source only. There is no difference for Coaxial source.)

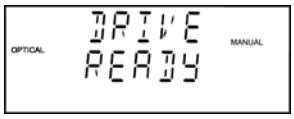
4) Press **Select** to confirm. The Optical indicator will now be lighted.

5) Press **Record** and turn the **Function Jog Dial** to select Manual Record.

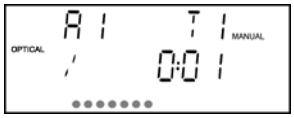
6) Press **Select** to confirm, the TX3300 will go into Record Standby mode, and if the TX3300 is in Auto mode, it will switch to Manual mode. Wait for the drive to be ready.



⇊



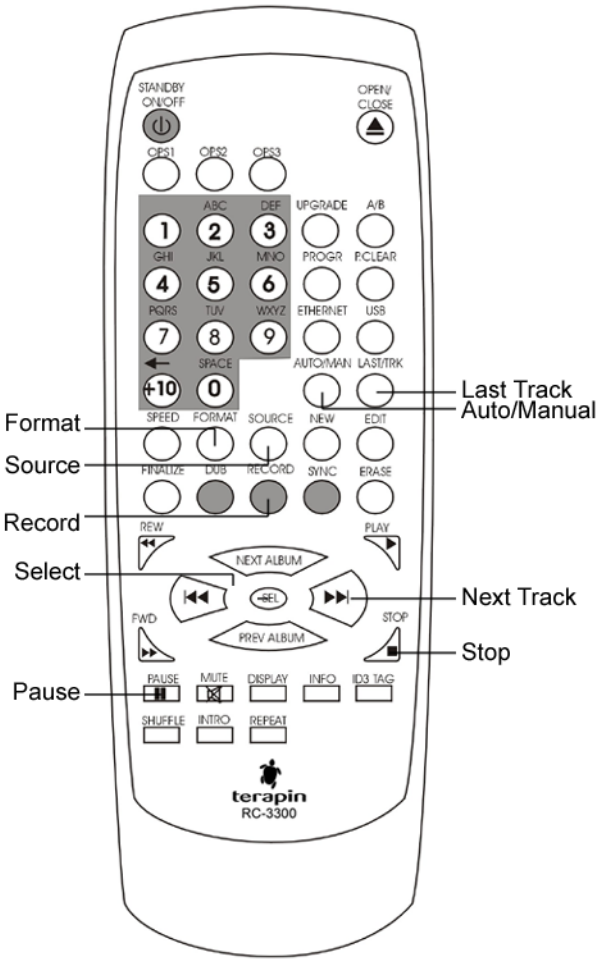
7) Once the drive is ready, press Play on your external source. The TX3300, upon detecting any audio signal, will start recording automatically.

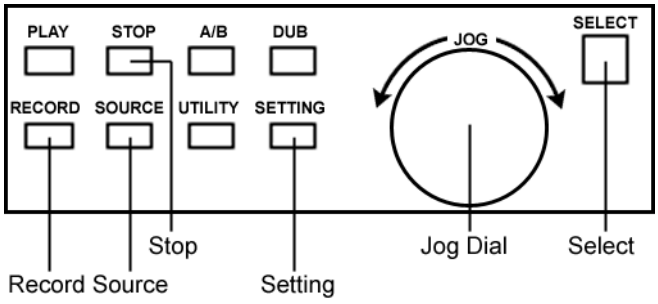


To increase a new track, you will need to use the remote control.

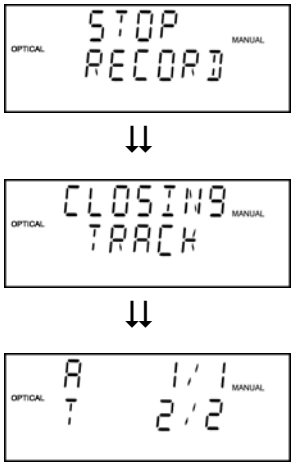
To pause during recording, you will need to use the remote control.

Quick Reference





8) To stop recording, press **Stop**.



Remote Control:

1) Press **Format** to select either Audio Format or MP3 Format.

Audio Format

MP3 Format

2) Press **Sel** to confirm your selection.

(Examples shown here are for MP3 Format only. There is no difference for Audio Format.)

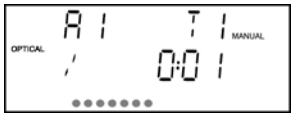
3) Press **Source** to select Optical Source. The Optical indicator will now be lighted.

(Examples shown below are for Optical source only. There is no difference for Coaxial source.)

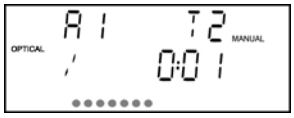
4) Press **Record** to select Manual Record.

5) Press **Sel** to confirm, the TX3300 will go into Record Standby mode, and if the TX3300 is in Auto mode, it will switch to Manual mode. Wait for the drive to be ready.

6) Once the drive is ready, press Play on your external source. The TX3300, upon detecting any audio signal, will start recording automatically.

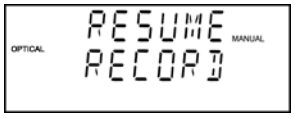


7) To increase a new track, press ⏭. The current track will be closed and it will start recording a new track.

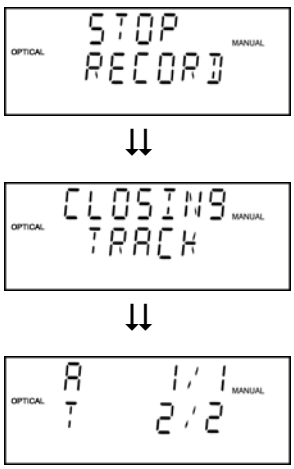


8) You can press **Pause** during recording to stop the recording temporarily.

9) To resume recording, press **Pause** again. This will also create a new track.



10) To stop recording, press **Stop**.



Note:
If there is insufficient space for the recording, the TX3300 will record until the disc is full and stop recording.

For MP3 CDs, the maximum number of MP3 tracks per album is 50, the maximum number of albums is 20 and you cannot create an album within an album.

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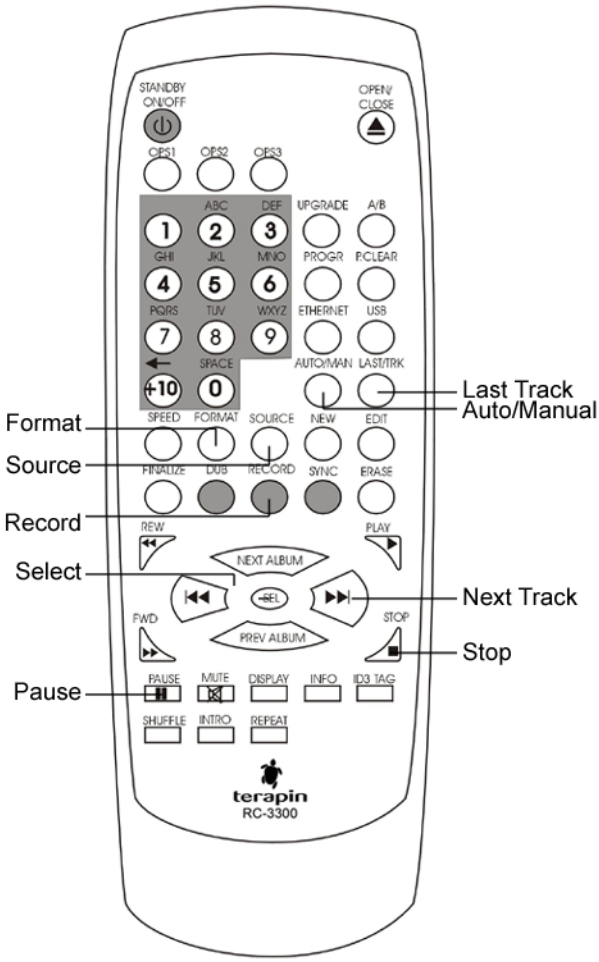
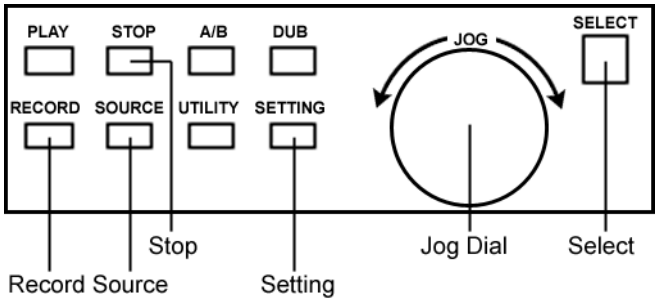
2 CD Sync Mode

This function allows you to record, add tracks and stop recording automatically by tracking the information available from the external digital source.

Please note that not all players have the digital information necessary to perform a CD Sync, and it is advisable to check the manual of your player first before continuing.

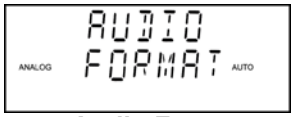
Quick Reference



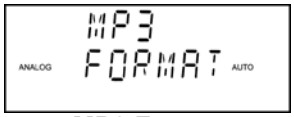


Front Panel Control:

1) Press **Setting** and turn the **Function Jog Dial** to select either Audio Format or MP3 Format.



Audio Format



MP3 Format

2) Press **Select** to confirm your selection.

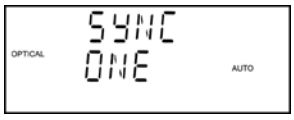
(Examples shown here are for MP3 Format only. There is no difference for Audio Format.)

3) Press **Source** and turn the **Function Jog Dial** to select Optical Source.

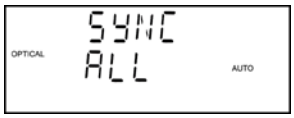
(Examples shown here are for Optical source only. There is no difference for Coaxial source.)

4) Press **Select** to confirm. The Optical indicator will now be lighted.

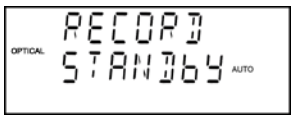
5) Press **Record** and turn the **Function Jog Dial** to select Sync One to record the selected track on your external source.



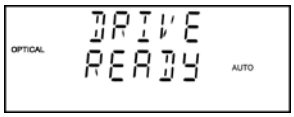
6) Turn the **Function Jog Dial** again to select Sync All to record all the tracks on your external source.



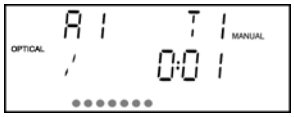
7) Press **Select** to confirm. The TX3300 will go into Record Standby mode, and if the TX3300 is in Manual mode, it will switch to Auto mode. Wait for the drive to be ready.



⇊

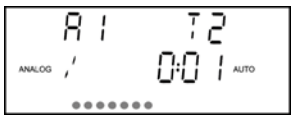


8) Once the drive is ready, press Play on your external source. The TX3300, upon detecting any audio signal, will start recording automatically.

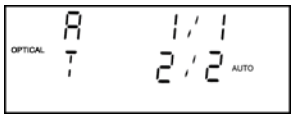


If you are in Sync One mode, the TX3300 will end automatically after the recording of the current track has finished.

When you are in Sync All mode, the TX3300 will add tracks automatically according to the digital information from your source player.

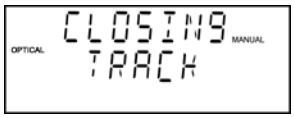


9) When all the tracks have finished recording, the TX3300 will stop automatically.



10) To stop recording anytime, press **Stop**.

⇊



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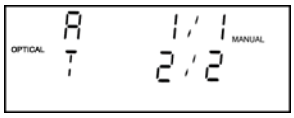
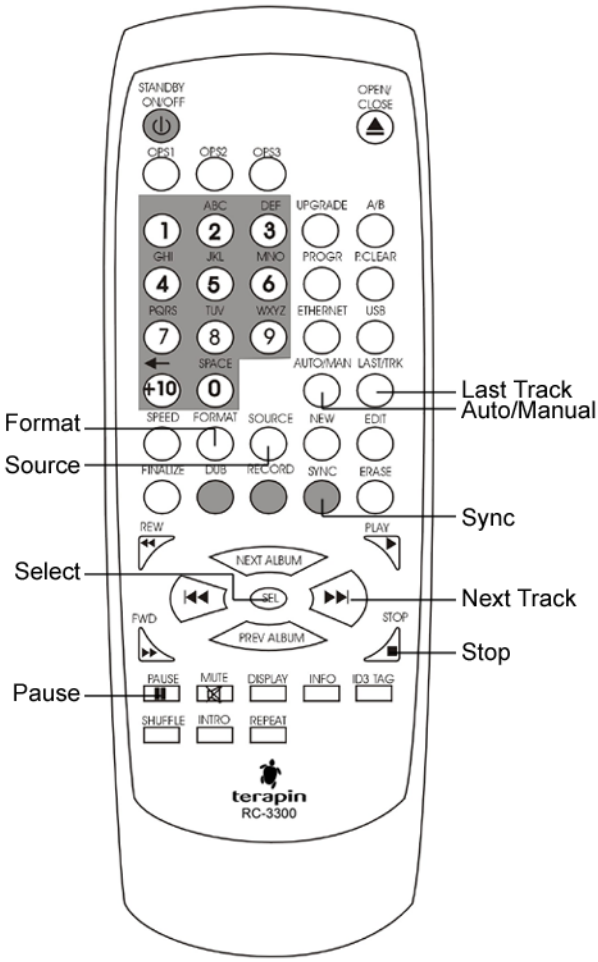
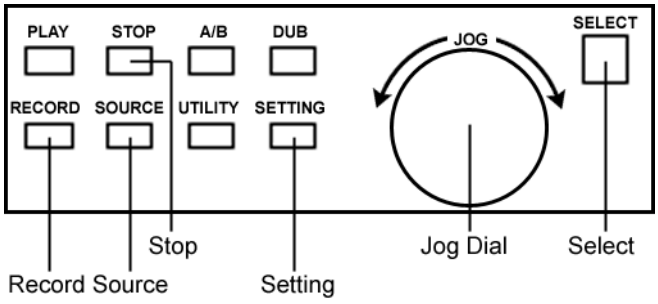


Quick Reference





Remote Control:

1) Press **Format** to select either Audio Format or MP3 Format.

Audio Format

MP3 Format

2) Press **Sel** to confirm your selection.

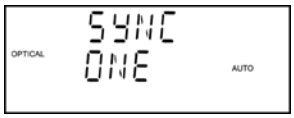
(Examples shown here are for MP3 Format only. There is no difference for Audio Format.)

3) Press **Source** to select Optical Source.

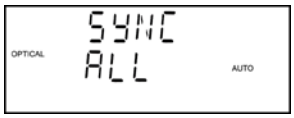
(Examples shown here are for Optical source only. There is no difference for Coaxial source.)

4) Press **Sel** to confirm. The Optical indicator will now be lighted.

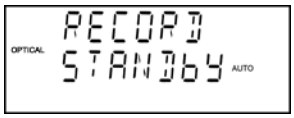
5) Press **Sync** to select Sync One to record the selected track on your external source.



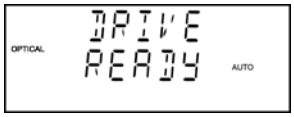
6) Press **Sync** again to select Sync All to record all the tracks on your external source.



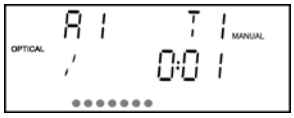
7) Press **Sel** to confirm, the TX3300 will go into Record Standby mode, and if the TX3300 is in Manual mode, it will switch to Auto mode. Wait for the drive to be ready.



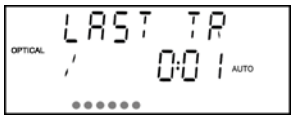
⇊



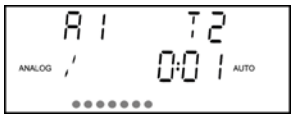
8) Once the drive is ready, press **Play** on your external source. The TX3300, upon detecting any audio signal, will start recording automatically.



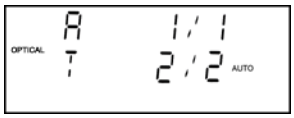
If you are in Sync All mode, during recording, you can press **Last Track** to select the current track as the last to be recorded.



9) When you are in Sync All mode, the TX3300 will add tracks automatically according to the digital information from your source player.



When all the tracks have finished recording, the TX3300 will stop automatically.



10) To stop recording anytime, press **Stop**.

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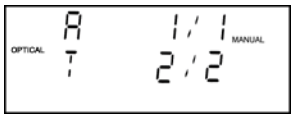
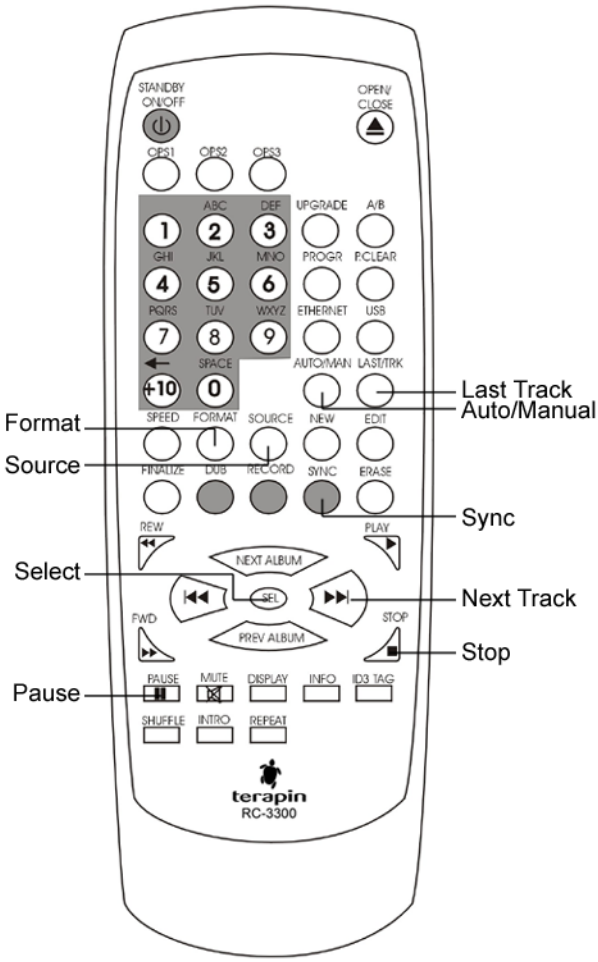
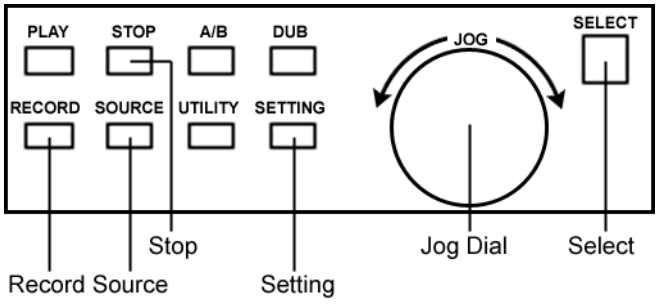


Note:
If there is insufficient space for the recording, the TX3300 will record until the disc is full and stop recording.

For MP3 CDs, the maximum number of MP3 tracks per album is 50, the maximum number of albums is 20 and you cannot create an album within an album.

Quick Reference





Finalizing & Unfinalizing

Finalizing is a process that completes the recording of a disc so that it may be played back on common CD players or Deck A. Once finalized, you will not be able to edit any tracks or add any more tracks to the disc.

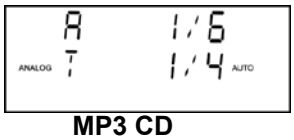
On the other hand, a non-finalized disc can only be played back on Deck B of the TX3300, and you will still be able to add new Audio or MP3 tracks to it.

Finalizing a CDR or CDRW

Front Panel Control:

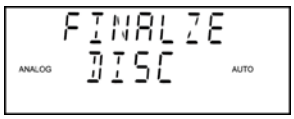
1) Insert the non-finalized disc into Deck B.

Audio CD

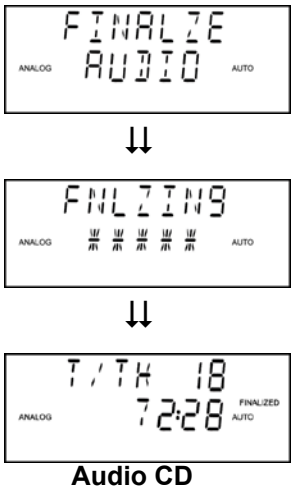


MP3 CD

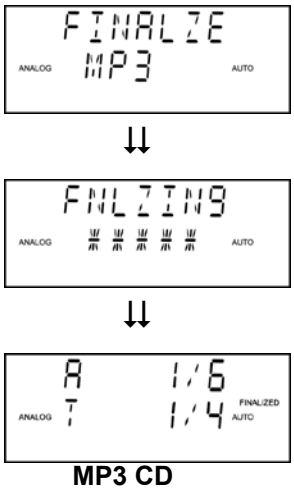
2) Press **Utility** and turn the **Function Jog Dial** to select Finalize Disc.



3) Press **Select** to start finalizing the disc.



Audio CD

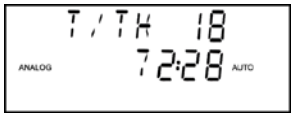


MP3 CD

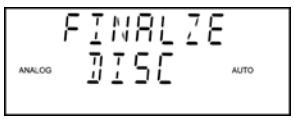
The finalizing process will take between 1 to 1 1/2 minutes, and once done, the **Finalized Indicator** will appear. The disc is now finalized and you are now able to play the disc on common CD players.

Remote Control:

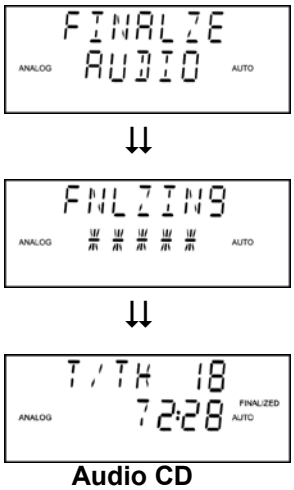
1) Insert the non-finalized disc into Deck B.



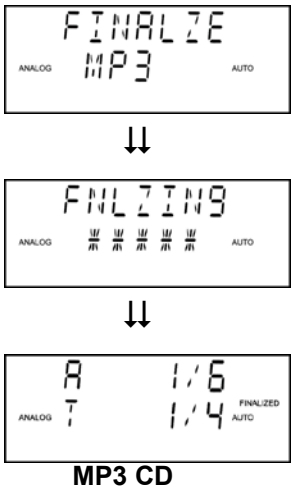
2) Press **Finalize** to select Finalize Disc.



3) Press **Sel** to start finalizing the disc.



Audio CD



MP3 CD

Once the finalizing is done, the **Finalized Indicator** will appear. The disc is now finalized and you are now able to play the disc on common CD players.

Unfinalizing a CDRW

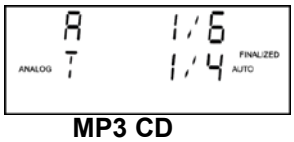
Unfinalizing is a process that allows you to add new tracks or to erase existing tracks on a CDRW. To play on other CD players, you will need to finalize the disc again.

An Audio CDR cannot be unfinalized. However, an Audio CDRW and a MP3 CDR/CDRW can be unfinalized.

Front Panel Control:

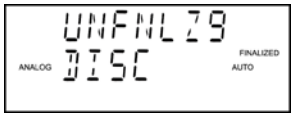
1) Insert the finalized disc into Deck B.

Audio CD



MP3 CD

2) Press **Utility** to select Unfinalize Disc.



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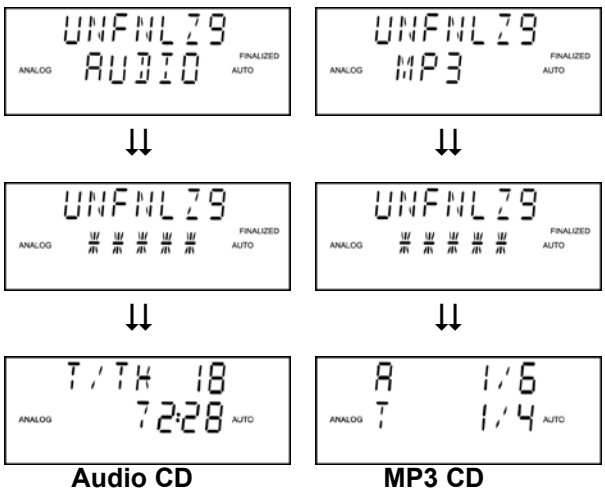
Quick Reference

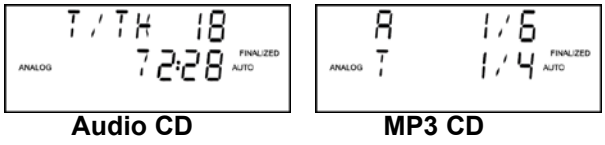
3) Press **Select** to start unfinalizing the disc.



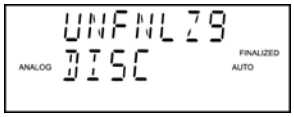
Once the finalizing is done, the **Finalized Indicator** will disappear. The disc is now unfinalized and you are now able to add more tracks to the CDRW.

Remote Control:

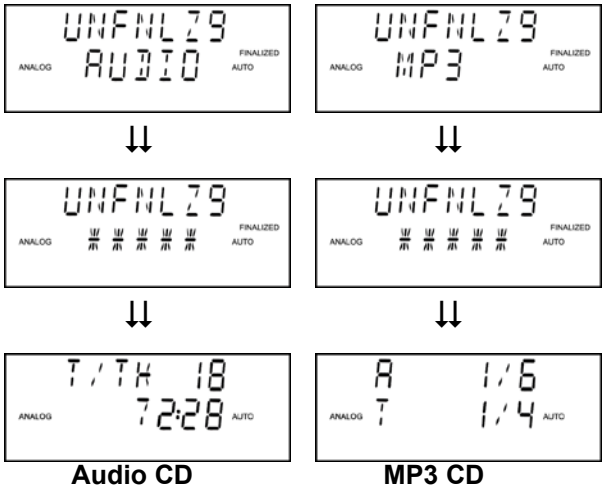
1) Insert the finalized disc into Deck B.



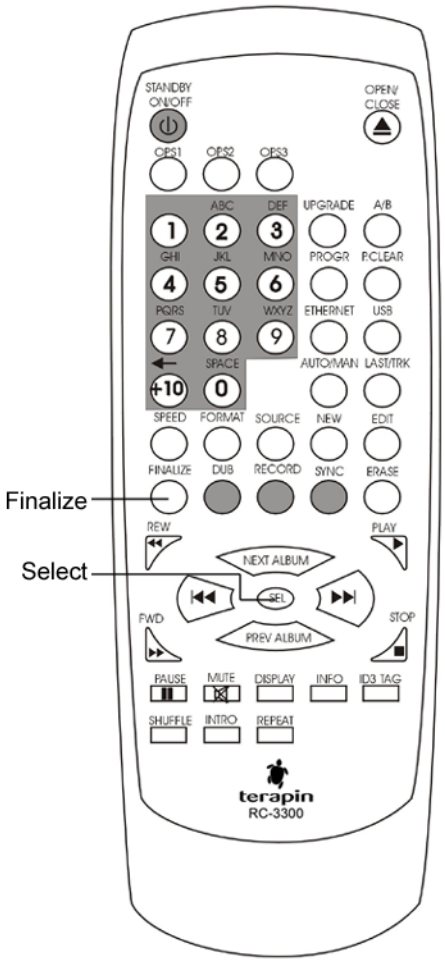
2) Press **Finalize** to select Unfinalize Disc.

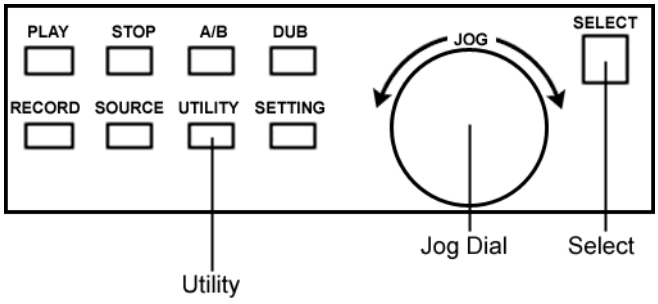


3) Press **Sel** to start unfinalizing the disc.



Once the finalizing is done, the **Finalized Indicator** will disappear. The disc is now unfinalized and you are now able to add more tracks to the CDRW.





Erasing

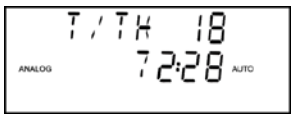
If an Audio or MP3 CDRW is unfinalized, you will be able to erase the last recorded track, album or the entire disc.

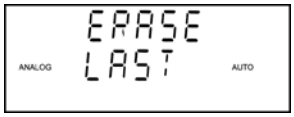
If you are using an unfinalized MP3 CDR, you will only be able to erase the last recorded MP3 track and album. This function is not applicable for CDRs in Audio format.

Erasing an Audio CDRW

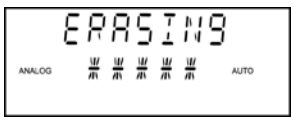
Front Panel Control:

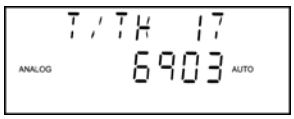
1) Press **Utility** and turn the **Function Jog Dial** to select Erase Last to erase the last recorded track.



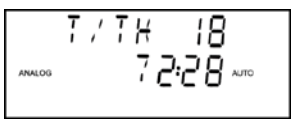


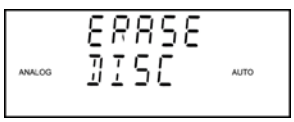
2) Press **Select** to start the erasing process.



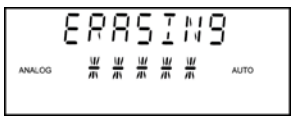


3) To erase the whole disc, press **Utility** and turn the **Function Jog Dial** to select Erase Disc.



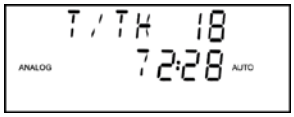


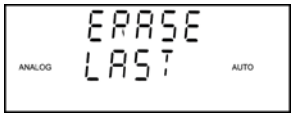
4) Press **Select** to start the erasing process.



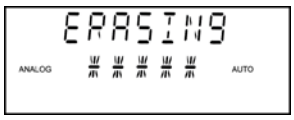
Remote Control:

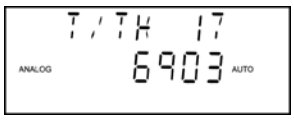
1) Press **Erase** to select Erase Last to erase the last recorded track.



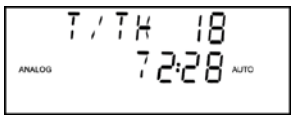


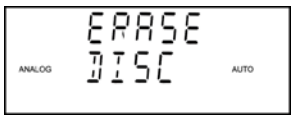
2) Press **Sel** to start the erasing process.





3) To erase the whole disc, press **Erase** twice to select Erase Disc.



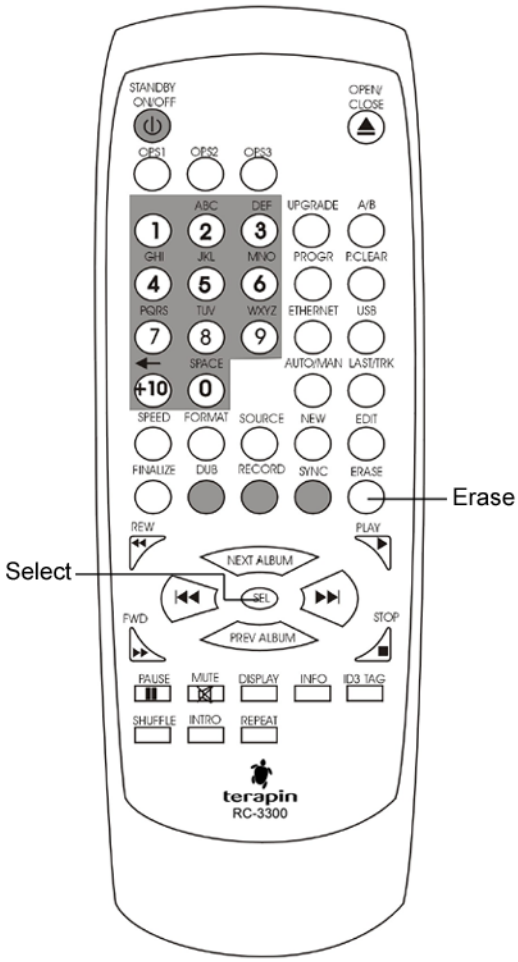


Quick Reference

4) Press **Sel** to start the erasing process.

Note:
Erasing an Audio CDR, even if it is unfinalized, is not possible.

If the Audio CDRW is finalized, then you will only be able to erase the whole disc.



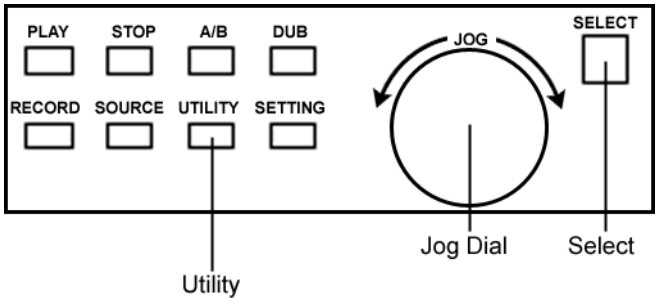
Erasing a MP3 CDR or CDRW

Front Panel Control:

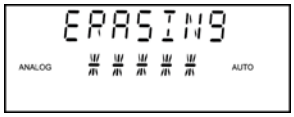
1) Press **Utility** and turn the **Function Jog Dial** to select Erase Last to erase the last recorded track.

2) Press **Select** to start the erasing process.

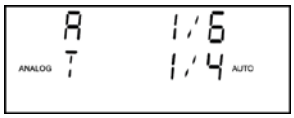
3) To erase the whole album, press **Utility** and turn the **Function Jog Dial** to select Erase Album.

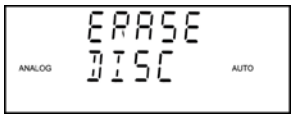


4) Press **Select** to start the erasing process.

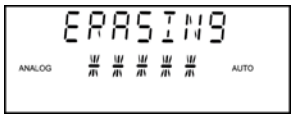


5) To erase the whole disc, press **Utility** and turn the **Function Jog Dial** to select Erase Disc.
(Applicable only for CDRWs)



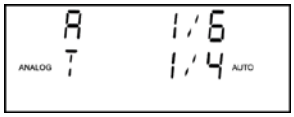


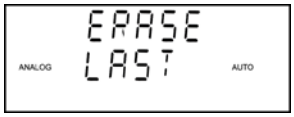
6) Press **Select** to start the erasing process.



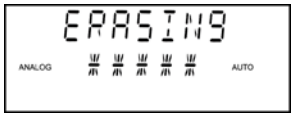
Remote Control:

1) Press **Erase** to select Erase Last to erase the last recorded track.

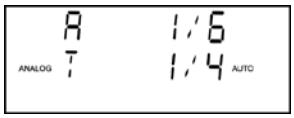




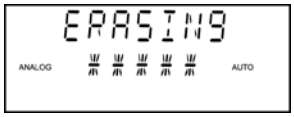
2) Press **Sel** to start the erasing process.



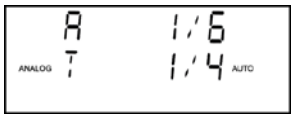
3) To erase the whole album, press **Erase** twice to select Erase Album.

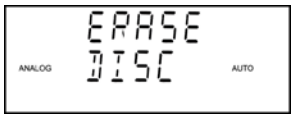


4) Press **Sel** to start the erasing process.



5) To erase the whole disc, press **Erase** thrice to select Erase Disc.
(Applicable only for CDRWs)



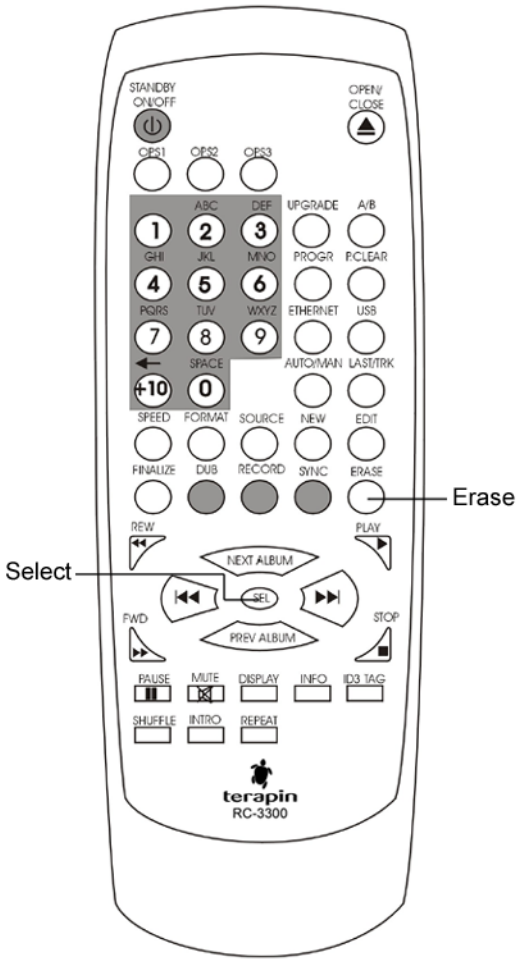


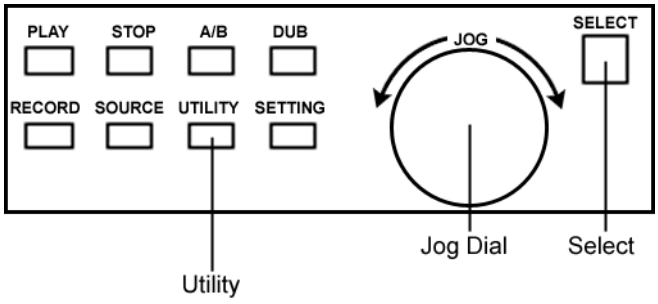
6) Press **Sel** to start the erasing process.

Note:
When you erase a track or album of a MP3 CDR or CDRW, the disc space originally occupied by these tracks are not usable. Hence, there will be no increase in available space even when you have erased some tracks.

If a MP3 CDRW is already finalized, you can only erase the whole disc. Alternatively, you can also unfinalize the disc and erase the last track, album or the whole disc.

Quick Reference





Connecting with a PC via USB

An unique feature of the TX3300 is its connectivity. You can connect it to a PC via a USB connection and download audio tracks in WAV format or MP3 format and write onto a blank CDR or CDRW to create either an Audio CD or a MP3 CD.

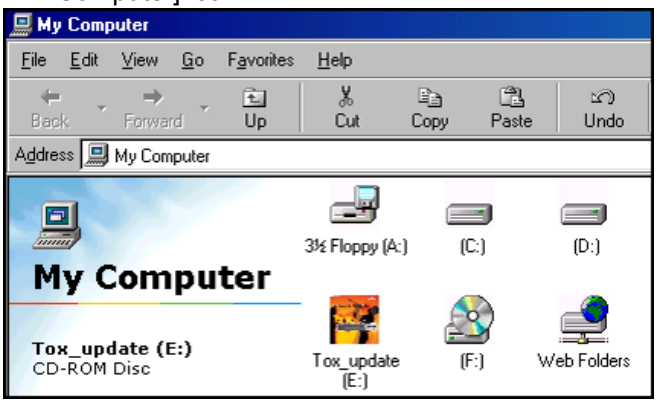
At the same time, you can also upload audio tracks from the TX3300 and save it in your computer.

Please note that only Windows 98 SE, Windows 2000 and Windows ME are supported for now, and certain models of computers may be incompatible with the TX3300. Please refer to Pg 77 for the specifications required for USB connection.

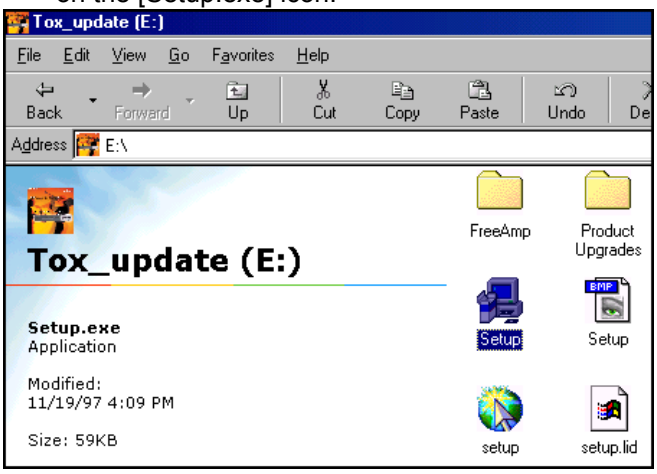
Installing the TX3300 Explorer

The TX3300 Explorer is an utility designed to keep the transfer of files simple and easy. Once installed, this will allow you to create an Audio CD or a MP3 CD, and download WAV or MP3 files to the TX3300 and vice versa.

1) First, insert the Utility CD provided into the CD-ROM tray of your computer and double-click on the [My Computer] icon.



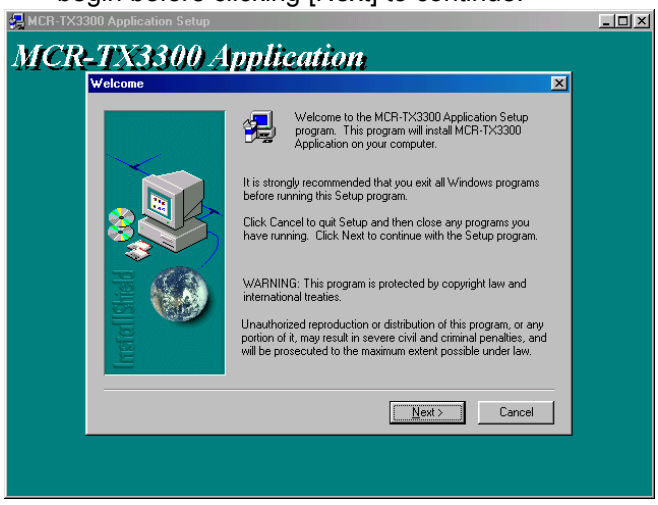
2) If the installation does not start automatically, click on the [Setup.exe] icon.



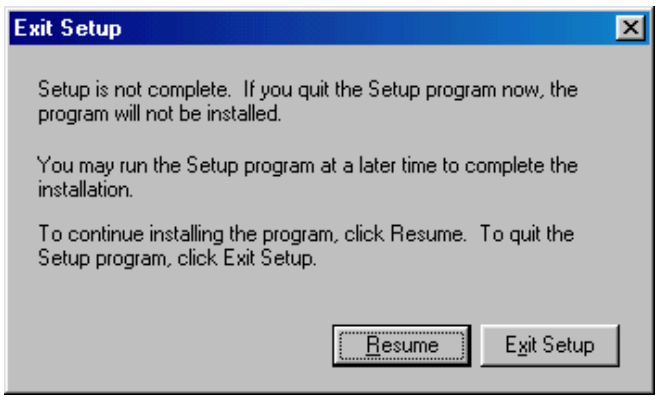
3) The installation process will now begin.

MCR - TX3300
terapin
150 songs in just 1 CD...
Terapin Dual-Tray MP3 CD Recorder
& Data CD Duplicator
Setup
Setup is preparing the InstallShield® Wizard which will guide you through the application setup process. Please wait.
100 %

4) Please read through the instructions before you begin before clicking [Next] to continue.


MCR-TX3300 Application Setup
MCR-TX3300 Application
Welcome
Welcome to the MCR-TX3300 Application Setup program. This program will install MCR-TX3300 Application on your computer.
It is strongly recommended that you exit all Windows programs before running this Setup program.
Click Cancel to quit Setup and then close any programs you have running. Click Next to continue with the Setup program.
WARNING: This program is protected by copyright law and international treaties.
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
InstallShield
Next >
Cancel

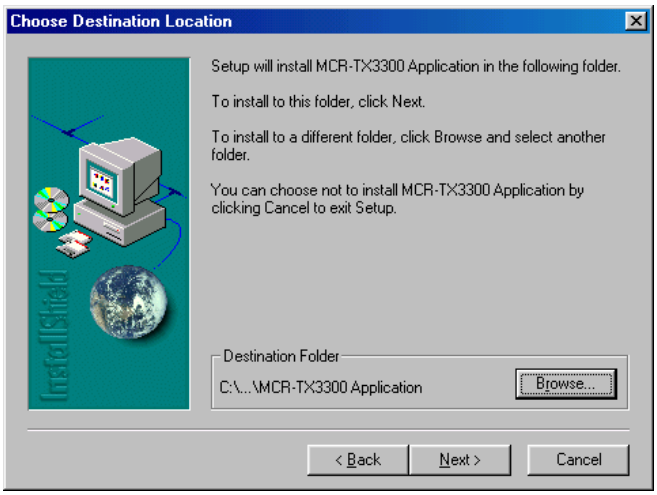
5) To quit the installation, you can click [Cancel] at any time.


Exit Setup
Setup is not complete. If you quit the Setup program now, the program will not be installed.
You may run the Setup program at a later time to complete the installation.
To continue installing the program, click Resume. To quit the Setup program, click Exit Setup.
Resume
Exit Setup

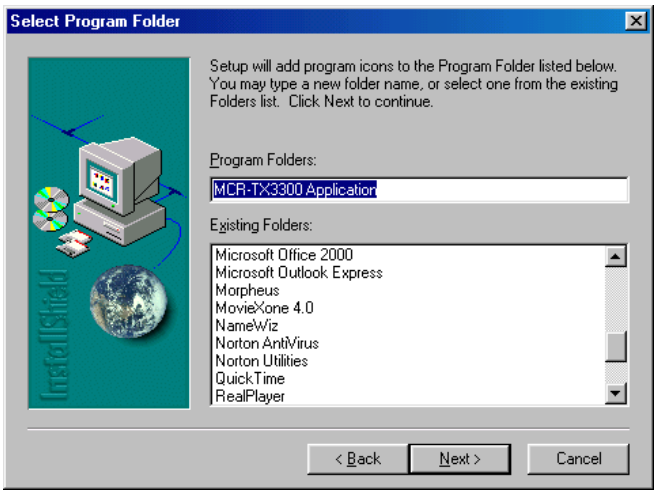
terapin

Quick Reference

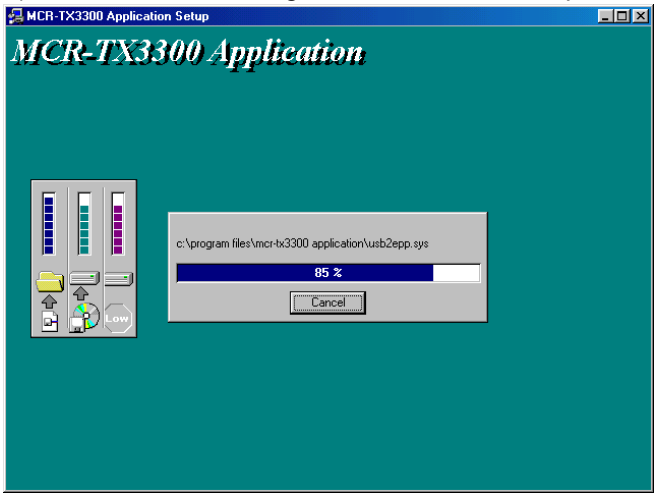
6) The default location of the TX3300 Explorer will be 'C:\Program Files\MCR-TX3300 Application'. If you wish to install it in another folder, click on [Browse] and select the new location. Once done, click [Next] to continue.

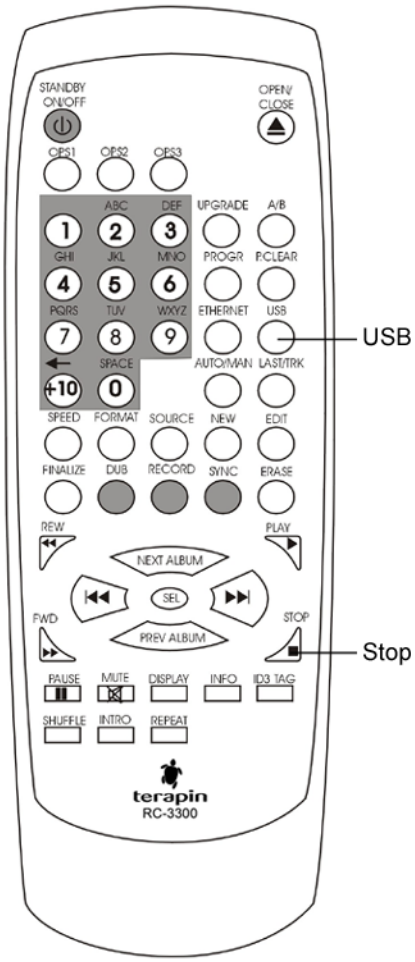

Choose Destination Location
Setup will install MCR-TX3300 Application in the following folder.
To install to this folder, click Next.
To install to a different folder, click Browse and select another folder.
You can choose not to install MCR-TX3300 Application by clicking Cancel to exit Setup.
Destination Folder
C:\...\MCR-TX3300 Application
Browse...
< Back
Next >
Cancel
InstallShield

7) Program icons will now be added to the Program Folder with a default name of 'MCR-TX3300 Application', and if you wish to change the name, simply key in a new one. Once done, click [Next] to continue.

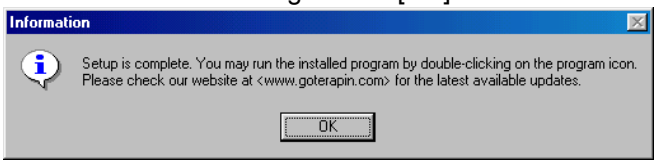


8) The PC will now begin to install TX3300 Explorer.





9) Once the installation is complete, there will be a confirmation message. Click [OK] to exit.

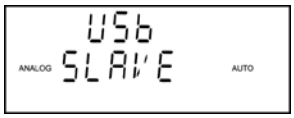

Information
Setup is complete. You may run the installed program by double-clicking on the program icon.
Please check our website at <www.goterapin.com> for the latest available updates.
OK

Installing the USB Device Driver

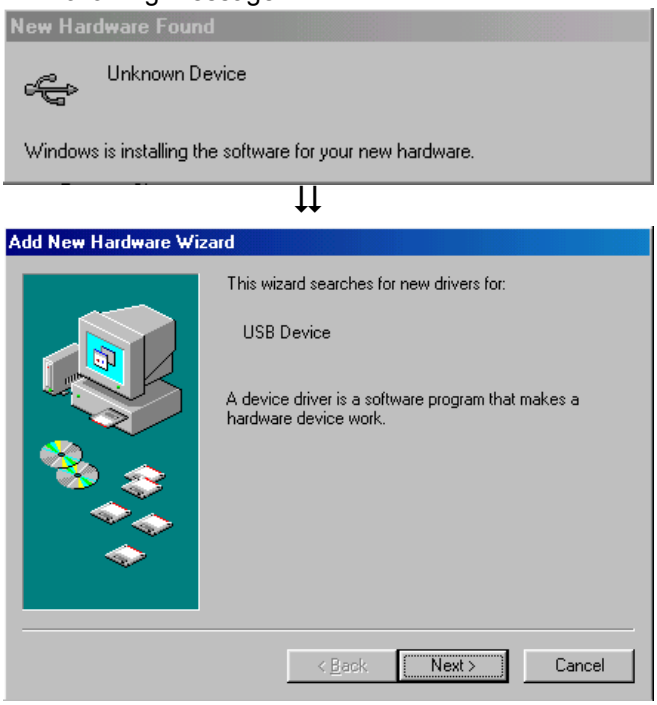
You need to install the USB Device Driver to enable the TX3300 to connect to the PC. Before installing, please ensure that the USB cable is properly connected.

1) First, start up your computer and insert the Utility CD provided into the CD-ROM tray.

2) Press **USB** on your remote control.



3) Your PC will detect the TX3300 and will display the following message:


New Hardware Found
Unknown Device
Windows is installing the software for your new hardware.
Add New Hardware Wizard
This wizard searches for new drivers for:
USB Device
A device driver is a software program that makes a hardware device work.
< Back
Next >
Cancel

4) Click [Next].

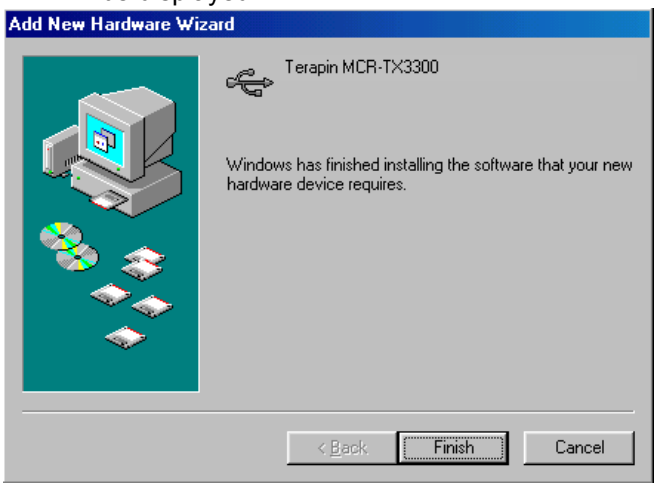
5) Select either [CD-ROM] drive or [Specify a location]. If you select the latter, click on [Browse], and select the sub-folder [Win9x] or [Win2k] in the folder [Drivers] according to your PC's operating system.

Add New Hardware Wizard
Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.
Floppy disk drives
CD-ROM drive
Microsoft Windows Update
Specify a location:
E:\Drivers\Win9x
Browse...
< Back
Next >
Cancel

6) Microsoft Windows will now search for the best driver for the TX3300.

Add New Hardware Wizard
Windows driver file search for the device:
Terapin MCR-TX3300
Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue.
Location of driver:
E:\DRIVERS\WIN9X\USBDEV.INF
< Back
Next >
Cancel

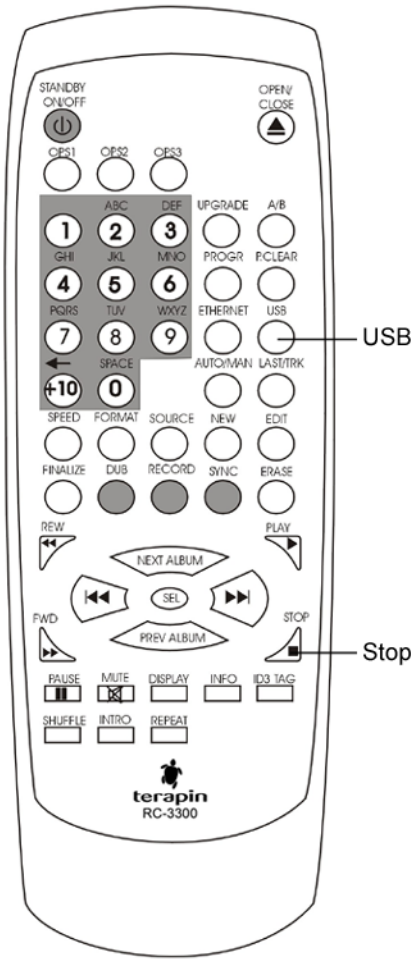
7) Microsoft Windows will now install the USB Device Driver and once successful, the following message will be displayed.



Quick Reference

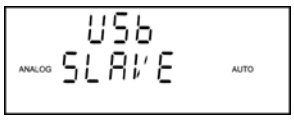
8) If the USB Device Driver is successfully installed, the Display Window will indicate that the TX3300 is already connected to your PC via USB.

9) To disconnect the USB link, press **Stop** on the remote control.



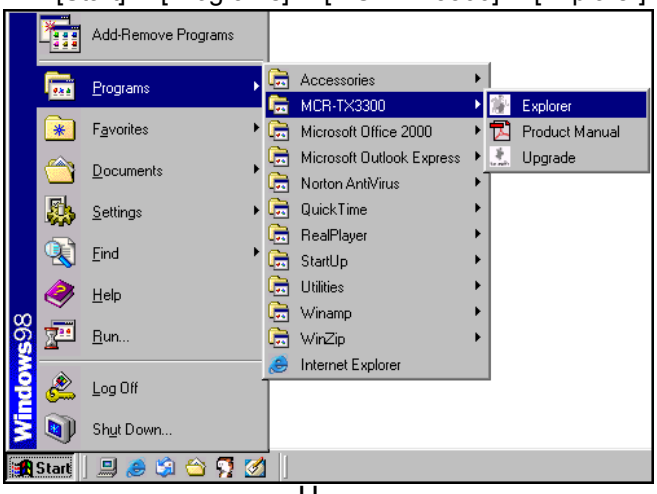
Using the TX3300 Explorer

1) First, press **USB** on your remote control to activate USB mode.

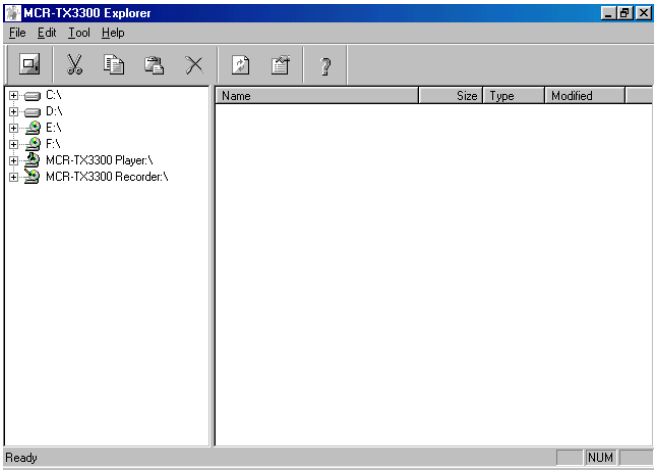


⇊

2) Run the TX3300 Explorer in your PC by clicking on [Start] ⇨ [Programs] ⇨ [MCR-TX3300] ⇨ [Explorer].



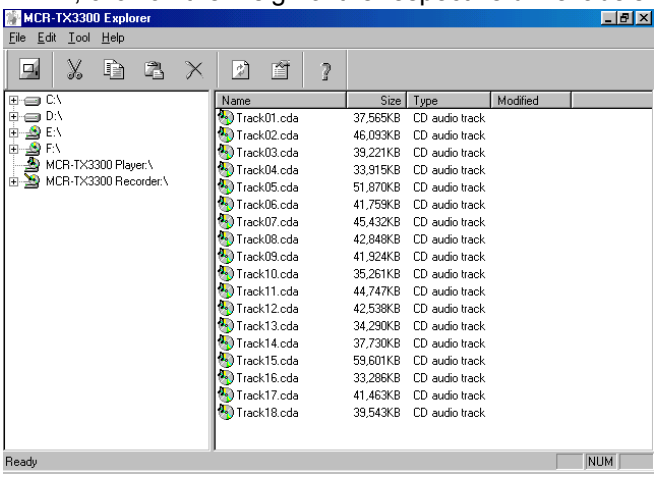
⇊



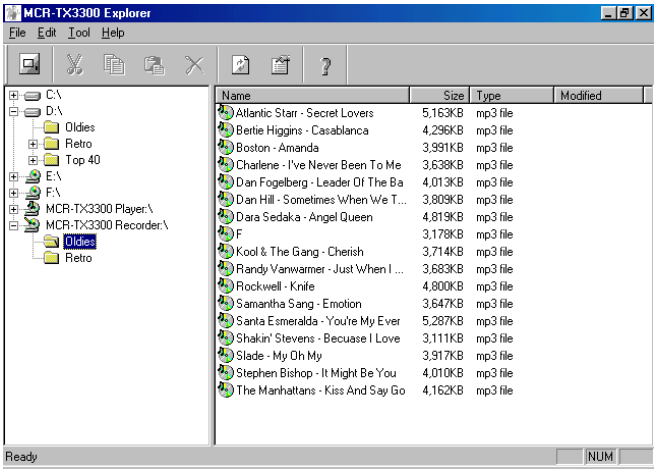
You will see 2 additional drives listed besides the others that you already have on your PC. Discs that are in Deck A will appear under **MCR-TX3300 Player**, and discs that are in Deck B will appear under **MCR-TX3300 Recorder**.

1 Navigating using TX3300 Explorer

1) To view the contents of the disc in Deck A or Deck B, click on the **+** sign of the respective drive labels.



2) To navigate the contents of the albums of a MP3 CD, click on the Album label that you want to view and the contents will be displayed on the right window.


MCR-TX3300 Explorer
File Edit Tool Help
C:\
D:\
Oldies
Retro
Top 40
E:\
F:\
MCR-TX3300 Player:\
MCR-TX3300 Recorder:\
Oldies
Retro
Name Size Type Modified
Atlantic Starr - Secret Lovers 5,163KB mp3 file
Bertie Higgins - Casablanca 4,296KB mp3 file
Boston - Amanda 3,991KB mp3 file
Charlene - I've Never Been To Me 3,638KB mp3 file
Dan Fogelberg - Leader Of The Ba 4,013KB mp3 file
Dan Hill - Sometimes When We T... 3,809KB mp3 file
Dara Sedaka - Angel Queen 4,819KB mp3 file
F 3,178KB mp3 file
Kool & The Gang - Cherish 3,714KB mp3 file
Randy Vanwarmer - Just When I ... 3,683KB mp3 file
Rockwell - Knife 4,800KB mp3 file
Samantha Sang - Emotion 3,647KB mp3 file
Santa Esmeralda - You're My Ever 5,287KB mp3 file
Shakin' Stevens - Becuase I Love 3,111KB mp3 file
Slade - My Oh My 3,917KB mp3 file
Stephen Bishop - It Might Be You 4,010KB mp3 file
The Manhattans - Kiss And Say Go 4,162KB mp3 file
Ready
NUM

Note:
All track names shown here are for examples only. No infringement of copyrights to the owners are intended.

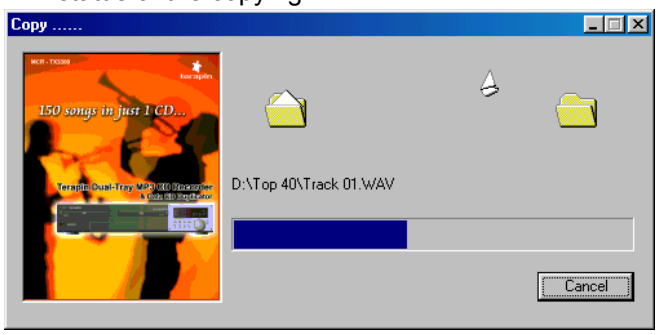
2 Audio CD functions

Creating an Audio CD

1) Insert a blank CDR or CDRW into Deck B
(You will need to disconnect the USB link first before inserting the disc.)

2) Select the WAV files that you wish to download into the blank disc, right-click and choose [Copy]

3) Select the Recorder drive, right-click and choose [Paste]. The WAV files will now be copied to the blank disc. A progress bar will appear to indicate the status of the copying.



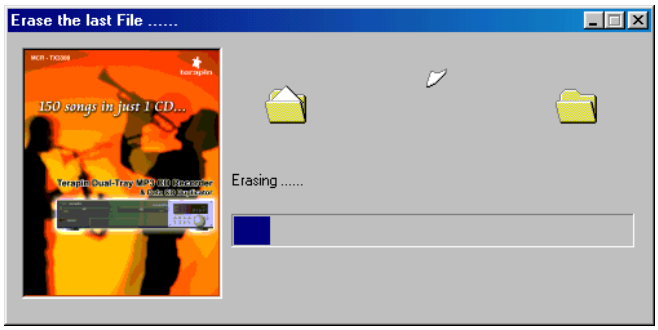
Erasing the last Audio track or Disc

This function allows you to erase the last recorded Audio track from a non-finalized CDRW (audio tracks on a CDR can't be erased).

1) To erase the last Audio track, select [Tool] from the top menu and click [Erase last File].

2) To erase the disc, select [Tool] and click [Erase Media]

3) A warning message will appear, confirming whether you want to erase the selected option. Once confirmed, a progress bar will appear showing the status of the erasing.



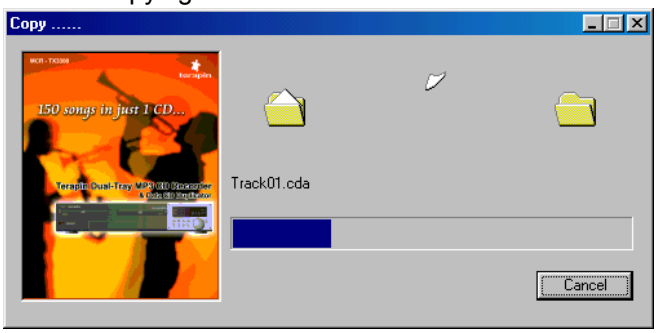
Quick Reference

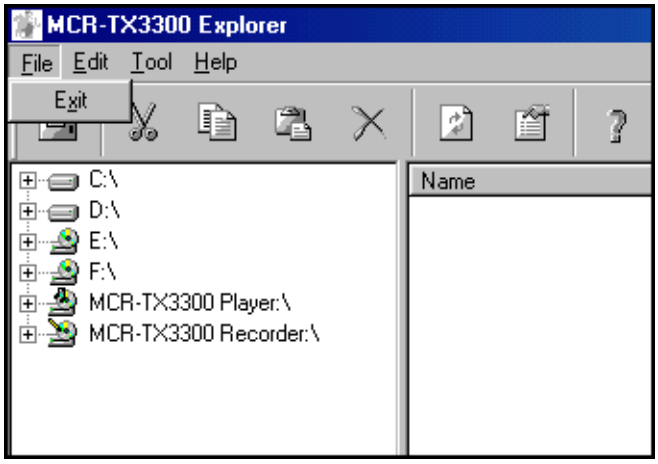
Transferring WAV files to the PC

1) Insert an Audio CDR into Deck B
(You will need to disconnect the USB link first before inserting the disc.)

2) Select the Audio tracks that you wish to download into your PC, right-click and choose [Copy]

3) Select the destination folder, right-click and choose [Paste]. The Audio files will now be copied to the the folder you specified and it will be in WAV format. A progress bar will appear to indicate the status of the copying.



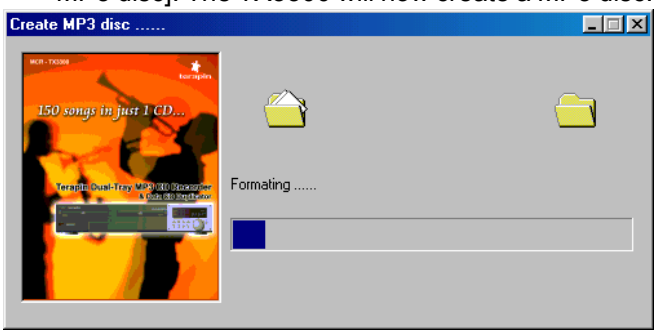


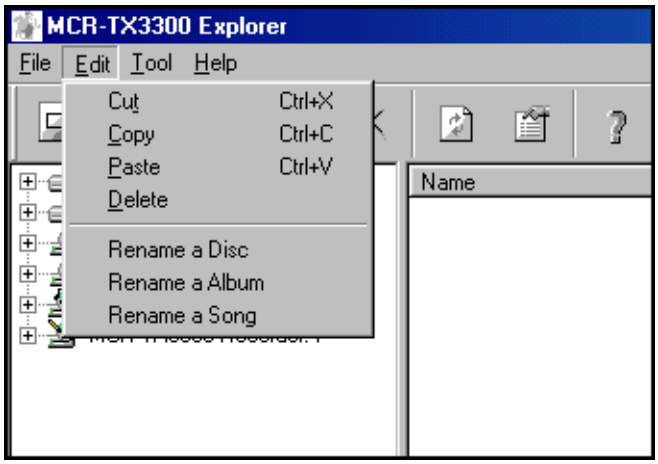
3 MP3 CD functions

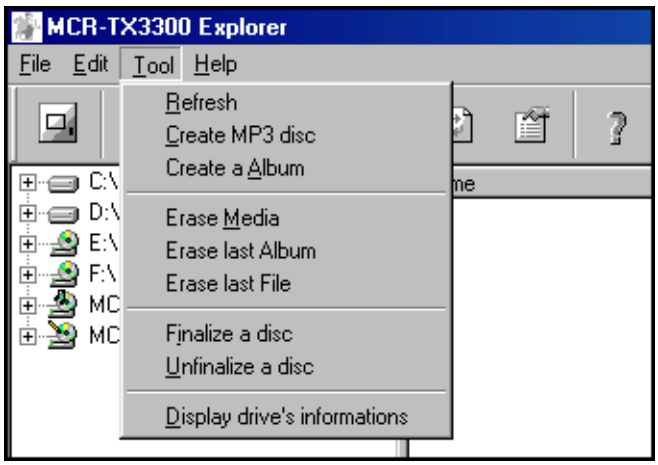
Creating a MP3 CD

1) Insert a blank CDR or CDRW into Deck B
(You will need to disconnect the USB link first before inserting the disc.)

2) Select [Tool] from the top menu and click [Create MP3 disc]. The TX3300 will now create a MP3 disc.

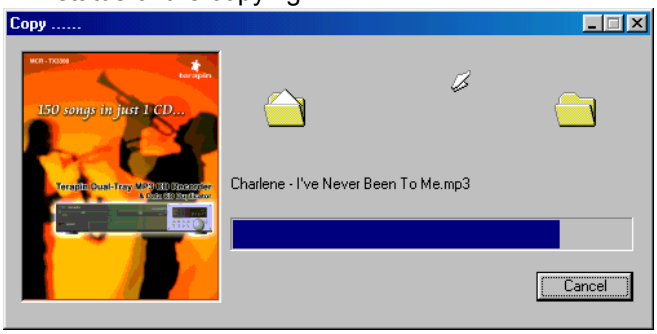






3) Select the MP3 tracks that you wish to download into the blank disc, right-click and choose [Copy]

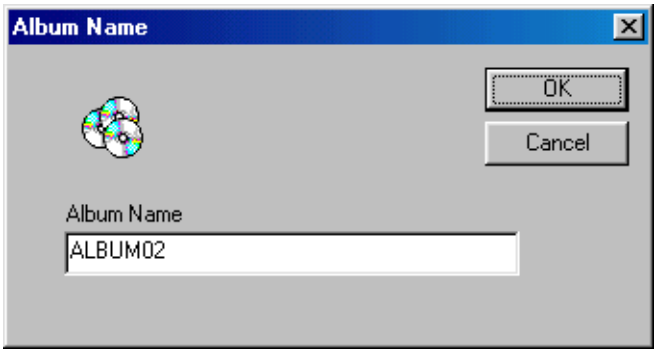
4) Select the Recorder drive, right-click and choose [Paste]. The MP3 tracks will now be copied to the blank disc. A progress bar will appear to indicate the status of the copying.



Please note that you can only add tracks to the last album.

Creating a new Album

Select [Tool] from the top menu and click [Create a Album]. A window will appear, and you can enter the name of the album.

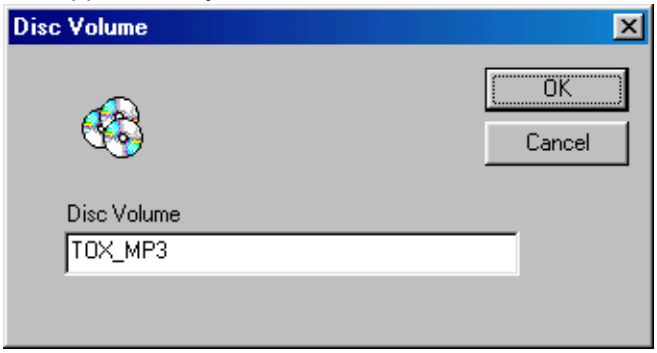


Please note that if the existing last album is empty, you will not be able to able to create another album.

Editing of Disc, Album or File names

1) Select the Disc, Album or File name to be edited.

2) Click [Edit] from the top menu and select the appropriate renaming option. A dialog window will appear, and you can enter another name.



Erasing the last MP3 Track, Album or Disc

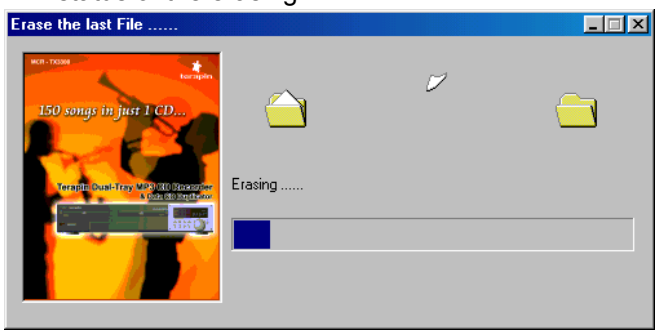
This function allows you to erase the last recorded MP3 track, the last Album or the whole disc on a CDRW. (CDRs cannot be erased.)

1) To erase the last MP3 track, select [Tool] from the top menu and click [Erase last File].

2) To erase the last album, select [Tool] from the top menu and click [Erase last Album].

3) To erase the disc, select [Tool] and click [Erase Media]

4) A warning message will appear, confirming whether you want to erase the selected option. Once confirmed, a progress bar will appear showing the status of the erasing.



4 Finalizing and Unfinalizing a disc

When you have finished recording a disc, you need to finalize it so that it may be played back on Deck A or other CD players. Once a disc has been finalized, no more tracks can be added to it. However, an Audio CDRW or a MP3 CDR/CDRW can be unfinalized so as to add more tracks to it.

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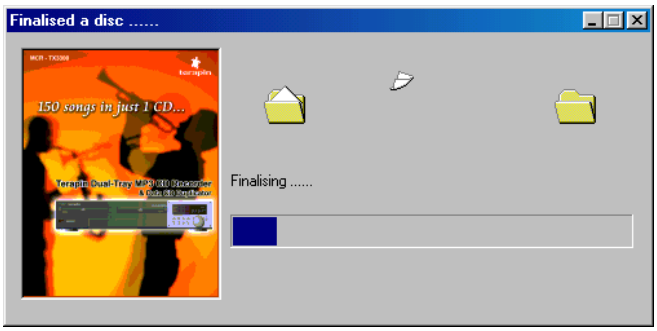
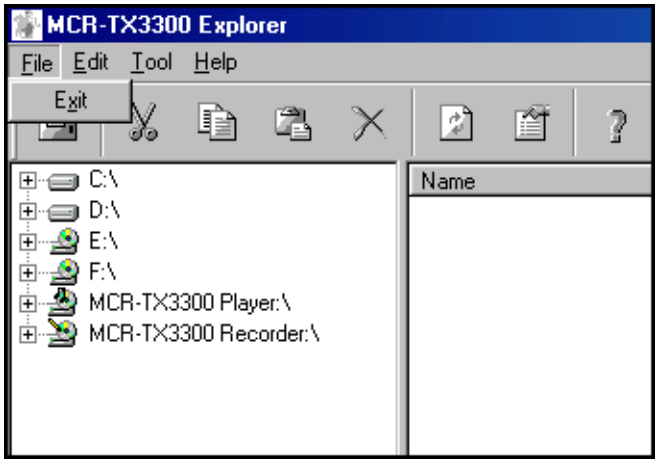
Quick Reference

Finalizing a disc

1) Ensure that the non-finalized disc is in Deck B.

2) Select [Finalize a disc] from the [Tool] menu. A warning message will appear, confirming whether you want to finalize the disc. Once confirmed, a progress bar will appear showing the status of the finalizing.



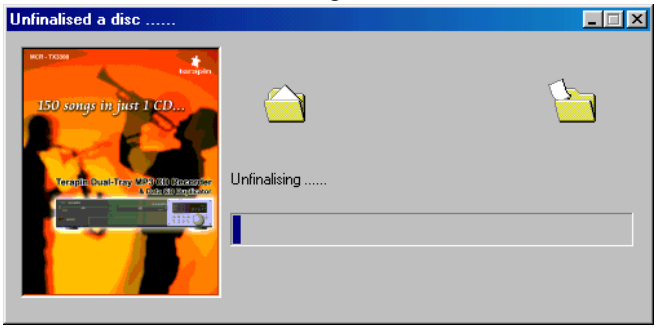


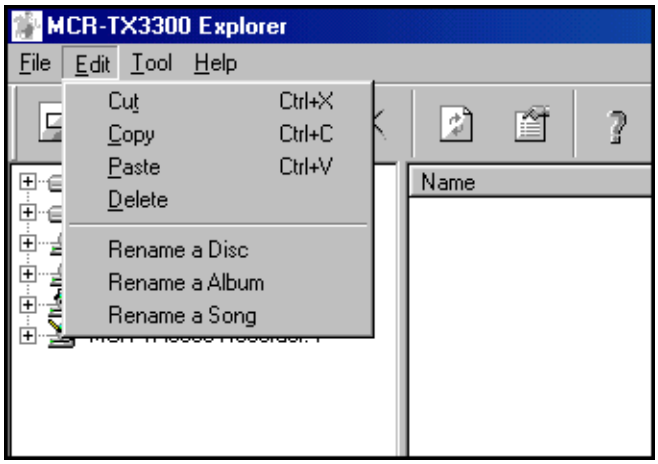
Unfinalizing a disc

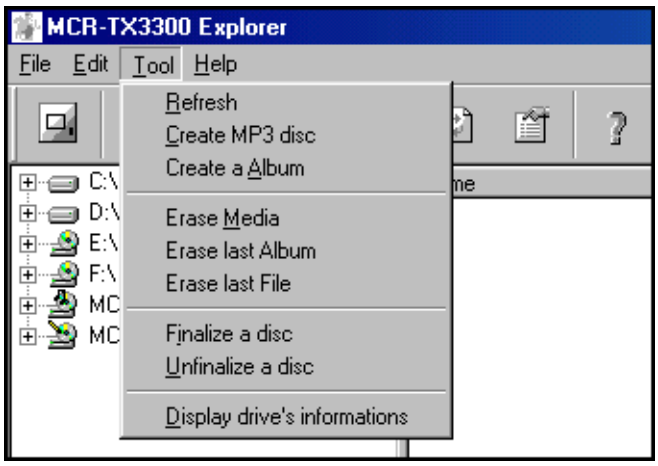
An Audio CDR cannot be unfinalized. However, an Audio CDRW and a MP3 CDR/CDRW can be unfinalized.

1) First of all, please ensure that the finalized disc is in Deck B.

2) To unfinalize a disc, select [Too] and click [Unfinalize a disc]. A warning message will appear, confirming whether you want to unfinalize the disc. Once confirmed, a progress bar will appear showing the status of the unfinalizing.







Note:
A CDR or CDRW can only be in one format. You will not be able to have both Audio tracks and MP3 tracks in one single CD, and you will need to have separate CDs for each format.

Upgrading the TX3300

The TX3300 is upgradable, so that if we develop any new applications, you will be able to upgrade your set to the latest version.

There are 3 methods of upgrading:
1. Via CD-ROM
2. Via USB Connection
3. Via Serial Port Connection

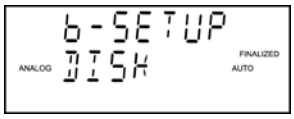
You can get the latest patch from our website at <www.goterapin.com>, so do visit our website regularly.

Upgrade via CD-ROM

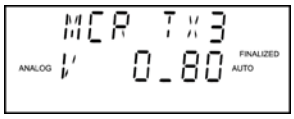
(Remote Control only)

Upgrading the TX3300 with a CD-ROM is a very simple task. You can get the Utility CD (if available) by requesting one from our website at <www.goterapin.com>.

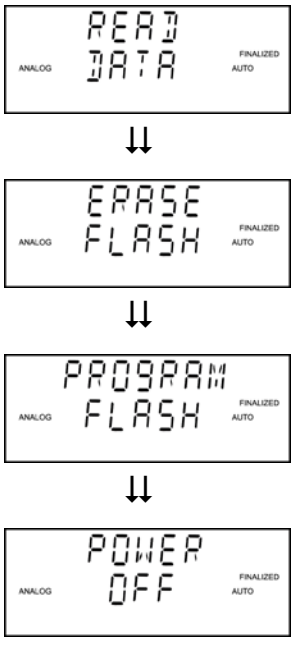
1) Insert the Utility CD into either Deck A or Deck B.



2) Press **Upgrade** from the remote control to activate the upgrade function.



3) Press **Sel** to confirm, and the TX3300 will now start the upgrading process.



4) Once the upgrade is completed, switch off the AC power, wait for about 5 seconds, before switching it on again.

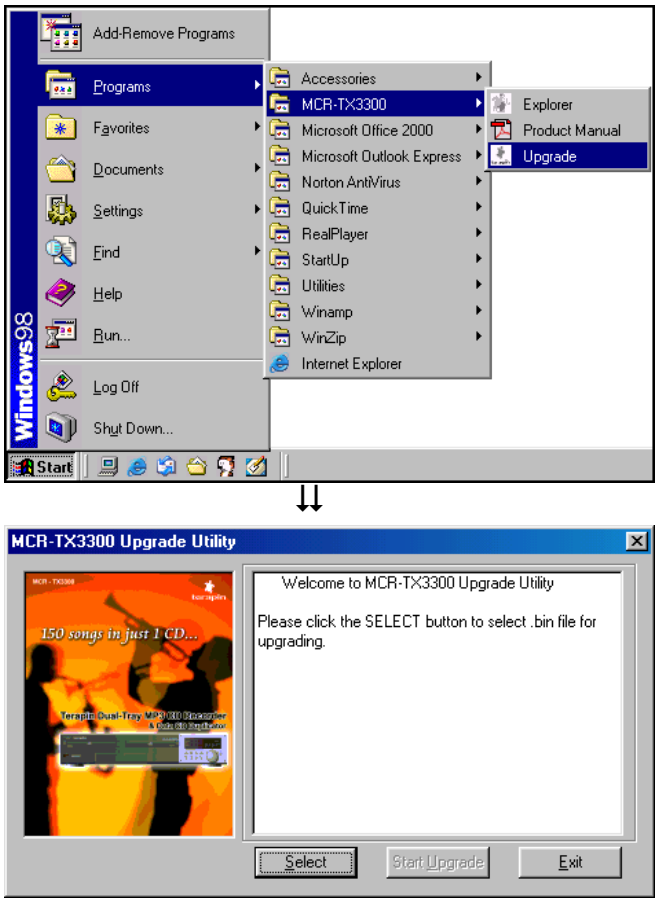
Note:
During this upgrading, which will take about a minute, ensure that the AC power is kept on, and do not disturb the TX3300, eg, hitting it. If there is any disruption, the TX3300 will go into Recovery Mode.

Upgrade via USB Connection

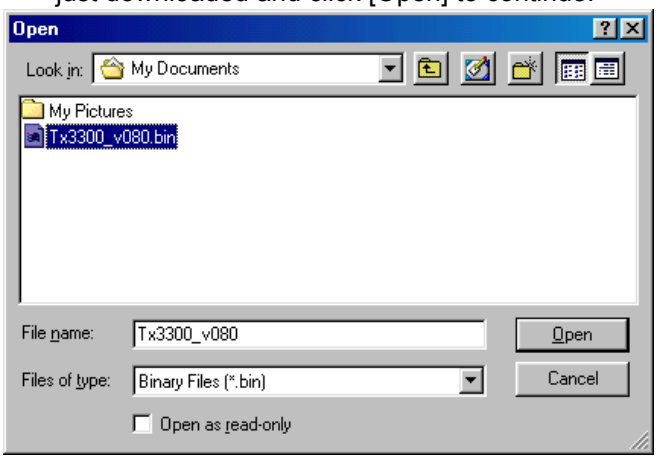
(Remote Control Only)

1) Press **USB** on your remote control to activate the USB mode.

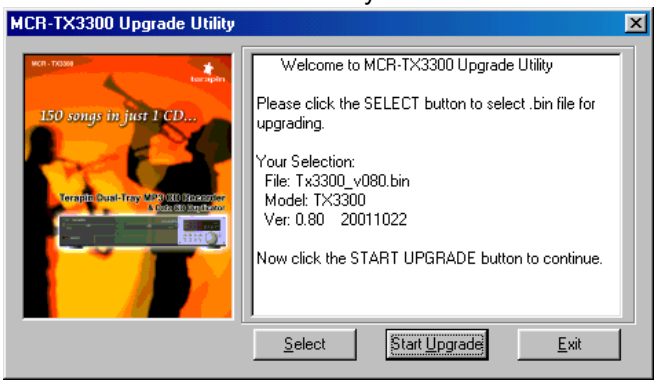
2) Run the TX3300 Upgrade Utility by clicking on [Start] ⇨ [Programs] ⇨ [MCR-TX3300] ⇨ [Upgrade].



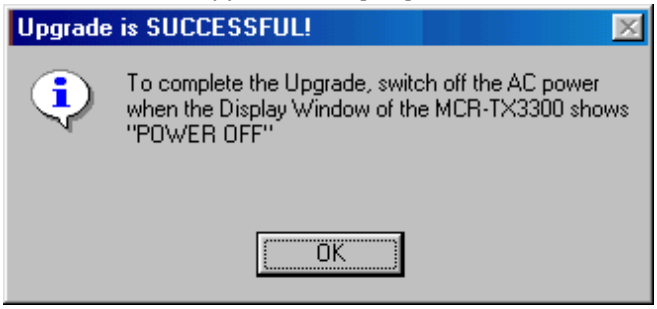
3) Click [Select] to choose the .bin file that you have just downloaded and click [Open] to continue.



4) The Upgrade Utility window will now show you the information of the file that you have chosen.



5) Click [Start Upgrade] to start the upgrading process. Once the upgrade is completed, the following window will appear. Click [OK].


Upgrade is SUCCESSFUL!
To complete the Upgrade, switch off the AC power when the Display Window of the MCR-TX3300 shows "POWER OFF"
OK

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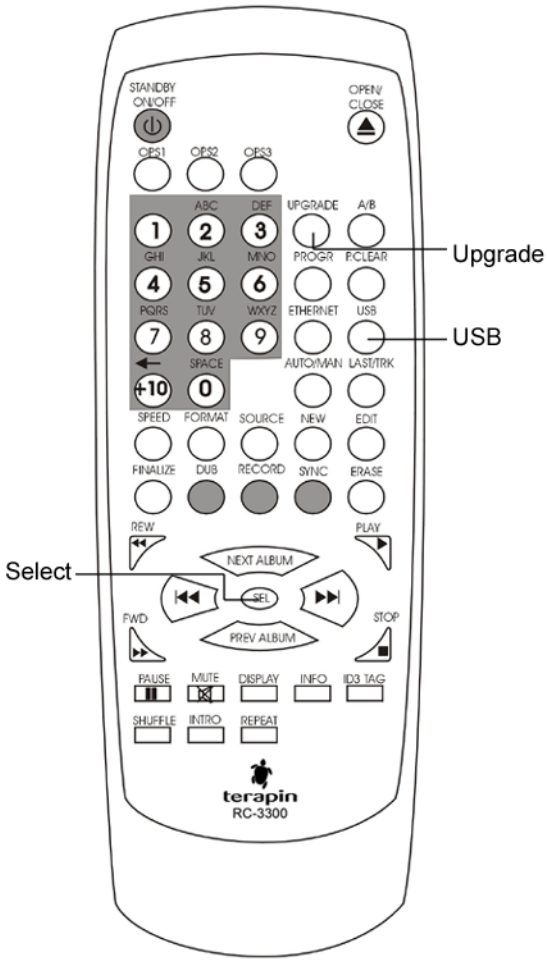
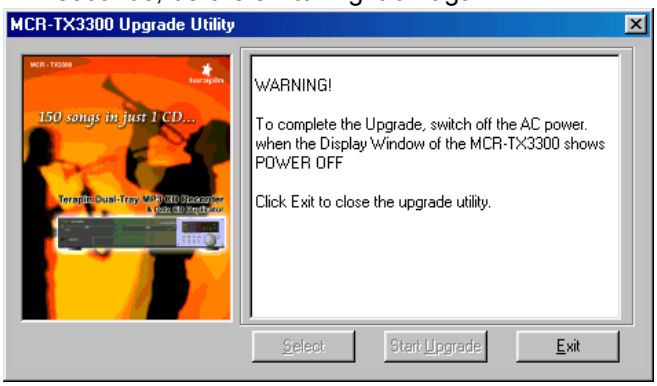
Quick Reference



6) Click [Exit] to close the upgrade utility. Wait for the TX3300 to display the message POWER OFF, switch off the AC power and wait for about 5 seconds, before switching it on again.


MCR-TX3300 Upgrade Utility
150 songs in just 1 CD...
WARNING!
To complete the Upgrade, switch off the AC power. when the Display Window of the MCR-TX3300 shows POWER OFF
Click Exit to close the upgrade utility.
Select
Start Upgrade
Exit

Note:
During this upgrading, which will take about a minute, ensure that the AC power is kept on, and do not disturb the TX3300, eg, hitting it. If there is any disruption, the TX3300 will go into Recovery Mode.

Upgrade via Serial Port

Upgrading via the Serial Port is not recommended as it is more tedious and complicated. Hence, please try the previous 2 methods first before attempting to perform an upgrade via the Serial Port.

1) Connect the TX3300's Serial Port to your PC's COM Port via a Serial cable.

2) Save the .bin file (which you can find in the Upgrade CD) into the folder that you installed the MCR-TX3300 Application in. The default folder is [C:\Program Files\MCR-TX3300 Application]

3) Open the MS-DOS program.

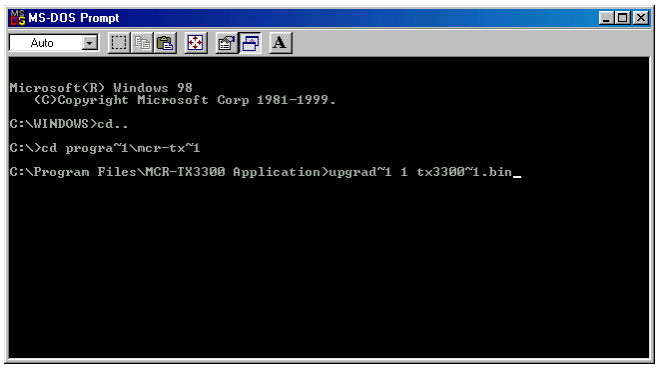
4) Type the following commands:

cd.. [Enter]
cd progra~1\mcr-tx~1 [Enter]
upgrad~1 1 tx3300~1.bin [Enter]

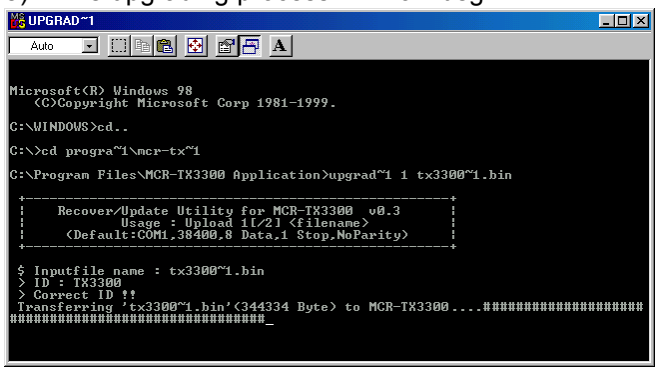
Where [Enter] is the Enter key of your keyboard, and [C:\Program Files\MCR-TX3300 Application] is the folder that you install the program in.

If you connect the Serial cable to COM Port 2, type the following command:

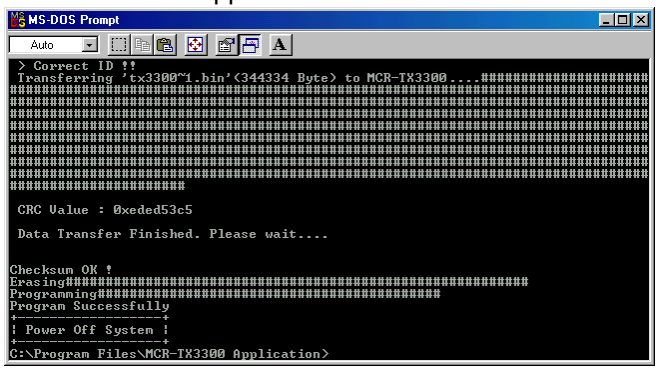
upgrad~1 2 tx3300~1.bin [Enter]



5) The upgrading process will now begin.



6) Once the upgrade is completed, the following window will appear.



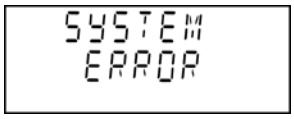
7) You will need to switch off the AC Power of the TX3300, wait for 5 seconds, before switching it back on again to complete the upgrading process.

Recovery

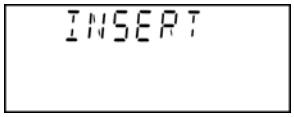
If during upgrading, the power goes off accidentally or there is an error in the process, the TX3300 will go into recovery mode. Before you can use the TX3300 again, you will need to restore the system.

Recovering using the Utility CD

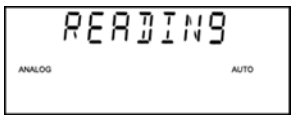
1) When in recovery mode, once the TX3300 is switched on, the following message will appear:



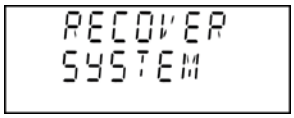
2) Wait for Deck A to eject its tray, and insert the Utility CD when prompted to INSERT SETUP DISC.



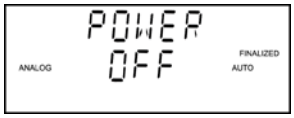
3) Close Deck A. The TX3300 will now start the recovery process automatically.



⇊



⇊



4) Once the recovery is completed, switch off the AC power, wait for about 5 seconds, before switching it on again.

5) After the recovery process is completed, you may need to upgrade the TX3300 to the latest available version.

Note:
During this upgrading, which will take about a minute, ensure that the AC power is kept on, and do not disturb the TX3300, eg, hitting it. If there is any disruption, the TX3300 will go into Recovery Mode again.

Recovering using the Serial Port

To restore the system, please follow the steps in Upgrading via Serial Port. It is recommended that this step be performed only after you have tried recovering using the Utility CD and failed.

If you still fail to restore the system, please contact your nearest authorized service centers for assistance.

Troubleshooting Guide

If you experience the following problems while using the TX3300, this troubleshooting guide will be able to help you.

1 No power

Possible Causes:
- No AC power
- Power is not connected properly

Solution:
- Make sure that the power cord is connected properly

2 Remote Control does not function

Possible Causes:
- Batteries are not loaded properly
- Batteries are exhausted
- Wrong deck is selected
- Distance between the remote control and the unit is too far
- Remote control sensor on unit is blocked

Solution:
- Make sure that the batteries are properly loaded.
- Press **A/B** to switch deck
- Remove obstructions from the front panel

3 Playback does not start

Possible Causes:
- There is no disc in the tray
- The disc is inserted upside down
- Wrong deck is selected

Solution:
- Insert an Audio CD or a MP3 CD.
- Make sure that the label of the disc is facing up
- Press **A/B** to switch deck

4 No sound

Possible Causes:
- The Analog, Coaxial or Optical cables are not connected properly
- The TX3300 is in Mute mode

Solution:
- Connect the cables properly
- Press Mute on the remote control to deactivate the Mute function

5 The sound is distorted or there is interference

Possible Causes:
- The disc is dirty or scratched
- The disc is warped

Solution:
- Clean the disc with a soft cloth
- Replace the disc with a new one

6 Disc tray does not open

Possible Causes:
- Wrong deck is selected
- The sensor is blocked

Solution:
- Press **A/B** to switch deck
- Remove obstructions from the front panel

7 Recorded CDR does not play in another CD Player

Possible Causes:
- CDR is not finalized

Solution:
- Finalize the CDR

For more information, please refer to our FAQs section on our website at <www.terapintech.com>.

Maintenance

1 Handling CDs

- To keep the disc clean, do not touch the playing surface.
- Do not attach paper or tape to the disc.

2 Cleaning CDs

- To clean a CD, wipe it in a straight line from the centre towards the edge using a soft clean cloth. Do not wipe in a circular direction.
- If necessary, use a damp cloth with diluted neutral detergent to remove heavy dirt or fingerprints.
- Do not use any type of solvent such as thinner, benzine, commercially available cleaners and antistatic spray.

3 Never play cracked or warped CDs

The disc revolves in the TX3300 at high speed when it is played. Never play a cracked, scratched or warped disc as this may damage the recorder or cause it to malfunction.

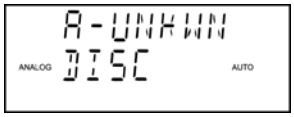
4 After using CDs, store them properly.

- Always store it in its jacket and store it standing up right away from heat and humidity.
- If you store discs at an angle, or stacked on top of one another, discs may become warped even when in their jackets.
- Do not leave discs in locations such as the seat of a car or next to the window, where there is exposure to sunlight.

Error Messages

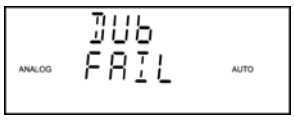
During the course of using the TX3300, you may encounter several error messages. This section explains these messages, and what you should do.

1 Unknown Disc



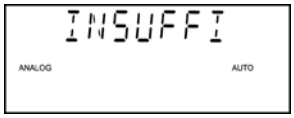
This indicates that the format of the CD is not one that is recognized by the TX3300. Examples include discs in Apple Macintosh format, Playstation formats or spoilt discs.These discs are not supported by the TX3300.

2 Dub Fail



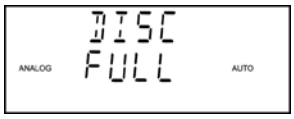
This indicates that the recording is not successful. One possible cause could be that the disc in Deck A is dirty, and that there was a problem reading the disc. Please change the source disc before attempting to do another dubbing session.

3 Insufficient Space



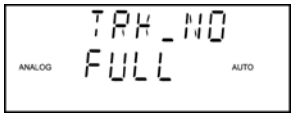
This indicates that there is not enough space on the recording disc in Deck B. You will need to either reduce the number of tracks to dub, or change to a higher-capacity blank disc, for example, using a 80-min disc instead of a 74-min disc.

4 Disc Full



This indicates that the disc's capacity has been reached, and no more tracks can be added.

5 Track Number Full

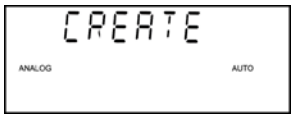


This indicates that the limit of 99 tracks per disc has been reached, and no more audio tracks can be added.

6 Album Full

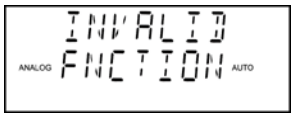
If the MP3 disc already has 20 albums, no more albums can be created. If you attempt to create another album, the error message, ALBUM FULL, will appear.

7 Create Album Fail



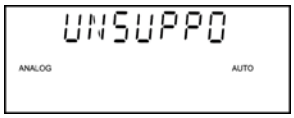
If the existing last album of a MP3 disc is empty, and you attempt to create another album, the error message, CREATE ALBUM FAIL, will appear.

8 Invalid Function



This message will appear whenever the intended action is not supported or not possible. For example, attempting to perform a Data Disc Dub when the disc in Deck B is not blank.

9 Unsupported Media for 1x Audio



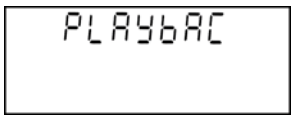
CDRWs cannot be used to record Audio tracks in 1x speed. The above error message will appear if you attempt to record.

10 Recovering

If the power of the TX3300 goes out accidentally while recording, the unfinalized disc in Deck B might be damaged.

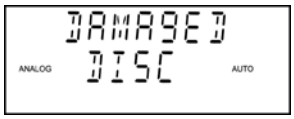
When you switch on the TX3300 the next time, it will try to recover the disc, and the message RECOVERING will be scrolled across the display window.

Even if the TX3300 is able to recover the disc, there may be some instances where there are some data loss. For a disc that cannot be fully salvaged, the message, PLAYBACK ONLY, will be scrolled across the display window.



You will not be able to continue adding songs to the disc. However, you will still be able to playback songs on the disc. To play on other stereo systems, you can try to finalize the disc, but if finalization fails, you will only be able to play it on the TX3300.

If the disc is beyond recovery and cannot be used anymore, it will become a damaged disc.



Specifications*

1 General

System:
Dual-Deck Compact Disc Digital Audio

Compatible Format:
CD-DA, MP3, CD-ROM

Compatible CD Media (Audio):
CDR Audio & CDRW Audio

Compatible CD Media (MP3):
CDR, CDRW

Number of Channels:
2 (Stereo)

Power Requirement:
100~240V AC, 50~60Hz

Operating Temperature:
5~35 Degrees Celsius

Dimension:
435mm(W) x 78mm(H) x 362mm(L)

Weight:
Approximately 8Kg

2 Playback

Analog Audio Output (V):
2V +/- 0.2

Digital Coaxial Output:
0.5Vp-p/75ohm

Frequency Response:
20~20KHz +/- 1.5dB

THD at 1KHz (%):
<0.05%

S/N ratio (dB) weighted:
>90dB

Channel Separation (dB):
>85dB

3 Recording (Audio CD)

Digital Input Sample Rate:
44.1KHz

Recording S/N:
>88dB (Analog)

Recording S/N:
Equal to Source (Digital Dub Mode)

Recording THD (%):
<0.07%

Channel Separation (dB):
>85dB

4 Inputs/Outputs

Analog Input:
1 x RCA

Analog Output:
1 x RCA

Digital Input:
1 x Coaxial
1 x Optical

Digital Output:
1 x Coaxial

Headphone Output:
1 x Stereo with Volume Control

USB:
1 x Host
1 x Slave

LAN:
1 x Ethernet Connection

Serial:
1 x RS232 DSUB-9

5 Support Disc Formats for Disc Duplication

(ISO9660 & Joliet's File System Conform)

1) Audio CD (Redbook Standard)
2) MP3 CD
3) CD-ROM (Mode 1/Mode 2)
4) Video CD (Mode 2 Form 2)
5) Game CD (Mixed Mode)
6) Audio CD with Data (CD-Extra)

6 Unsupported Disc Formats for Disc Duplication

1) Fixed/Variable Packet Written Disc
   (e.g. Universal Disc Format - UDF)
2) Discs created by a PC using Drag & Drop Authoring Software (e.g. DirectCD)

7 System Requirements for USB Connection

Windows 98SE or later
640 x 480 Minimum Screen Resolution
Host USB Port (Universial Host Controller)
256 Colors Minimum
2MB of HDD Space
128MB of RAM
CD-ROM Drive

**Specifications may change without prior notification*

Provisions of Warranty

1 This product is covered by a 1-year parts and 90 days labor warranty. When the product is received for servicing, a quotation will be sent to the customer. Servicing/repair will commence only when the payment is made.

To request any service under warranty, the customer must send the product, the Warranty Certificate and a RMA Request Form (with RMA No. clearly stated) to a Terapin authorized service center. The RMA No. can be obtained by contacting the respective authorized service centers.

2 The customer shall transport the product to the Terapin authorized service center at his own risk and shall be responsible for any costs incurred in transporting the product to the service center. All repair shipments must be prepaid. We recommend you use UPS, FedEx or any other reputable courier service and obtain a tracking number and receipt.

3 This Warranty does not cover the following and the customer shall be required to pay repair charges, even for defects occurring within the one year period.

(a) Any defect that occurs due to mishandling (such as an operation performed that is not included in the Maintenance or other parts of the Product Manual)

(b) Any defect that occurs due to repair, modification, cleaning, etc. performed by anyone other than Terapin or a Terapin-authorized service center.

(c) Any defect that occurs due to transport, a fall, shock, etc after purchase.

(d) Any defect or damage that occurs due to fire, earthquake, flood damage, thunderbolt, other natural disasters, environmental pollution and irregular voltage sources.

(e) Any defect that occurs due to careless or improper storage (such as keeping the product under conditions of high temperature and humidity, near insect repellents such as naphthalene or harmful drugs, etc.), improper maintenance, etc.

(f) Any defect that occurs due to exhausted batteries, etc.

(g) Any defect that occurs due to sand, mud, etc. entering the product casing.

(h) When the Warranty Certificate is not returned with the product.

(i) When any alterations whatsoever are made to the Warranty Certificate regarding the year, month and date of purchase, the customer's name, the dealer's name, and the serial number.

4 This Warranty applies to the product only; the Warranty does not apply to any other accessory equipment.

5 Terapin's sole liability under this Warranty shall be limited to repairing or replacing the product and any liability for indirect or consequential loss or damage of any kind incurred or suffered by the customer due to a defect in the product or other equipment or accessories used with the product, or any loss resulting from delay in repair, is excluded.

Notes:

1 This Warranty is in addition to and does not affect the customer's statutory rights.

2 If you have any queries regarding this Warranty, please call any of the Terapin authorized service centers.

Notes regarding Warranty maintenance:

1 This Warranty will only be valid if the Warranty Certificate is duly completed by Terapin or the dealer. Make sure that your name, the name of the dealer, the serial number and the year, month and date of purchase are all completed.

2 Since the Warranty Certificate will not be re-issued, keep it in a safe place.

3 Any request for repair by a customer in the same country that the product is purchased shall be subjected to the terms of the warranty issued by the Terapin distributor in that country. Where the local Terapin distributor does not issue a separate warranty or where the customer is not in the country where the product was purchased, the terms of this Worldwide Warranty shall apply.

4 Where applicable, this Warranty is valid worldwide and the Terapin authorized service centers listed in this manual will gladly honor it.

Contact Information

About Terapin Technology

Terapin Technology develops, manufactures and markets a range of innovative convergent electronic products and services globally. Our corporate tagline, "Innovating Convenience", underlines our single-minded objective to deliver technologies that are accessible, simple and effective for home or professional applications.

Terapin products and services are designed to bridge the digital divide. Using our innovative electronic devices, our customers will be able to effectively manage a huge amount of digital information enabling them to have a high-tech lifestyle without the burden of technology itself.

Terapin Technology is focused on the delivery of the benefits of technology to our customers. Convenience is everything.

Terapin Technology (formerly known as TeraOptix) is a business division of Serial System Ltd, a company publicly listed in Singapore with a long history of business excellence.

Contacting Us

1) **North & South America**
1430 Valwood Parkway, #110,
Carrolton, Texas 75006, USA
Service Support No: 1888-654-0645
Email: ustechsupport@terapintech.com

2) **Europe**
Shannon Industrial Estate,
Shannon Co. Clare, Ireland
Service Support No: (353) 61 702043
Fax: (353) 61 702001
Email: europetechsupport@terapintech.com

3) **Japan**
5F, Hatsudai Center Building, 1-51-1, Hatsudai,
Shibuya-ku, Tokyo 151-0061, Japan
Tel: 813-3377-8399
Fax: 813-3377-8403
Email: japantechsupport@terapintech.com

4) **International**
76 Playfair Road, #04-03, LHK 2 Building,
Block 2, Singapore 367996
Service Support No: (65) 282 7924
Fax: (65) 287 1232
Email: globaltechsupport@terapintech.com

www.terapintech.com
www.terapin-mine.com

Other Terapin Products

1) **Terapin CD Video Recorder**

The Terapin CD Video Recorder is a product that brings digital recording to homes. No longer do users have to convert their videos to VCDs using complex and complicated PC setups.

The CD Video Recorder enables the consumer to record any audio/video source from TV, VCR, DVD, VCD and camcorder into a 74 mins CD-R/CD-RW media, with a simple push of a button. More importantly, the recorded disc is compatible with most PC, DVD and VCD players.

In short, the Terapin CD Video Recorder is a simple solution to converting any audio/video source to VCDs.

2) **Terapin mine**

mine is a powerful, handheld, internet enabled, personal data storage device ready to meet all of your digital information needs at work and at play.

This simple to use device offers enough storage capacity to hold thousands of digital photographs and audio tracks together with any other digital information that you wish to keep. **mine** is also a full function digital audio player/recorder, a digital photo album system and a vast data-bank and data-backup tool designed to make information management simple.

The real strengths of **mine** are apparent as soon as you take it online. As a dedicated Internet device, **mine** gives you the power to distribute, share and exchange data securely from anywhere in the World, and to automatically backup and synchronize the digital information it stores with your online archive.

Fully versatile. Totally secure.

www.terapintech.com
www.terapin-mine.com